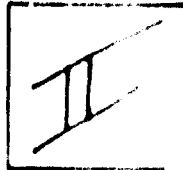


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USAFETAC  
Air Weather Service ( MAC )

REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBSERVATIONS

HAMILTON AFB CALIF/SAN RAFAEL      WBAN #23211  
N 38 04 W 122 31 ELEV 14 FT KSRF      WMO #

PARTS A-F  
POR FROM HOURLY OBS; MAR 39-MAY 41, JUL 41-DEC 70  
POR FROM DAILY OBS; MAR 39-MAY 41, JUL 41-DEC 70

NOV 03 1972

FEDERAL BUILDING  
ASHEVILLE, N. C.

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CARL A. BOWER, JR.  
Chief, Data Reference Section  
Climatological Services Branch

FOR THE COMMANDER

  
WALTER S. BURGMANN  
Scientific & Technical  
Information Officer

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1 REPORT NUMBER	2 GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER															
USAFETAC/DS- 80/016																	
4 TITLE (and Subtitle)		5 TYPE OF REPORT & PERIOD COVERED															
Revised Uniform Summary of Surface Weather Observations (RUSSWO)-		Final rept.															
Hamilton AFB, San Rafael, California		6 PERFORMING ORG REPORT NUMBER															
7 AUTHOR(s)	8. CONTRACT OR GRANT NUMBER(s)																
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18 SUPPLEMENTARY NOTES																	
19 KEY WORDS (Continue on reverse side if necessary and identify by block number)																	
<table border="0"> <tr> <td>*RUSSWO</td> <td>Daily temperature</td> <td>Atmospheric pressure</td> </tr> <tr> <td>Snowfall</td> <td>Extreme snow depth</td> <td>Extreme surface winds</td> </tr> <tr> <td>Climatology</td> <td>Sea-level pressure</td> <td>Psychrometric summary</td> </tr> <tr> <td>Surface Winds</td> <td>Extreme temperature</td> <td>Ceiling versus visibility</td> </tr> <tr> <td>Relative humidity</td> <td>*Climatological data</td> <td>(over)</td> </tr> </table>			*RUSSWO	Daily temperature	Atmospheric pressure	Snowfall	Extreme snow depth	Extreme surface winds	Climatology	Sea-level pressure	Psychrometric summary	Surface Winds	Extreme temperature	Ceiling versus visibility	Relative humidity	*Climatological data	(over)
*RUSSWO	Daily temperature	Atmospheric pressure															
Snowfall	Extreme snow depth	Extreme surface winds															
Climatology	Sea-level pressure	Psychrometric summary															
Surface Winds	Extreme temperature	Ceiling versus visibility															
Relative humidity	*Climatological data	(over)															
20 ABSTRACT (Continue on reverse side if necessary and identify by block number)																	
<p>This report is a six-part statistical summary of surface weather observations for Hamilton AFB, San Rafael, California</p> <p>It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling Versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over))</p>																	

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19. Percentqge frequency of distribution tables  
Dry-bulb temperature versus wet-bulb temperature  
Cumulative percentage frequency of distribution tables

\* California

\* Hamilton AFB, CA

20. and dew-point temperatures and relative humidity); and (F) Pressure Summary (means, standard, deviations, and observation counts of station pressure and sea-level pressure). Data in this report are presented in tabular form, in most cases in percentage frequency of occurrence or cumulative percentage frequency of occurrence tables.

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DATA PROCESSING DIVISION  
USAFETAC OL-1  
AIR WEATHER SERVICE (WAC)

## REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

### HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at scheduled hourly intervals.

### DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

### DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the Revised Uniform Summary of Surface Weather Observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Services and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for this station:

#### PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

#### PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

#### PART C SURFACE WINDS

#### PART D CEILING VERSUS VISIBILITY

SKYCOVER

#### PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC-DRY VS WET BULB

MEAN & STD DEV.  
(DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

#### PART F STATION PRESSURE

SEA LEVEL PRESSURE

### STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 hours local standard time.

### MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY \_\_\_\_\_

FEBRUARY \_\_\_\_\_

MARCH \_\_\_\_\_

APRIL \_\_\_\_\_

MAY \_\_\_\_\_

MSG JUNE 1941 \_\_\_\_\_

JULY \_\_\_\_\_

AUGUST \_\_\_\_\_

SEPTEMBER \_\_\_\_\_

OCTOBER \_\_\_\_\_

NOVEMBER \_\_\_\_\_

DECEMBER \_\_\_\_\_

STATION NO OR SUMMARY 23211		STATION NAME HAMILTON AFB CALIF/SAN RAFAEL		LATITUDE N 38 04		LONGITUDE W 122 31		STATION ELEV (FT) 14		CALL SIGN KSNP		WIND NUMBER	
STATION LOCATION AND INSTRUMENTATION HISTORY													
NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION A.C. (FT)		WIND	PIA			
			FROM	TO			STATION (FT)	WIND					
1	Hamilton Fld, Calif	AAF	Mar 39	Dec 44	N 38 03	W 122 30	8	2 ft		24			
2	Same	Same	Jan 45	May 48	N 38 04	W 122 31	Same	Same		24			
3	Hamilton AFB, Calif	AFB	Jun 48	Mar 54	Same	Same	Same	Same		24			
4	Same	Same	Apr 54	Feb 61	Same	Same	14	Same		24			
5	Same	Same	Mar 61	Feb 64	Same	Same	Same	13 ft		24			
6	Same	Same	Mar 64	Sep 66	Same	Same	Same	14 ft		24			
7	Same	Same	Oct 66	Dec 70	Same	Same	Same	12 ft		24			

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Mar 39 to Nov 42	Located on 2nd floor of hangar #7	Anemometer	N/A	61 ft	
2	Dec 42 to Dec 44	Located on first floor of operations bldg.	Same	N/A	33 ft	
3	Jan 45 to May 48	Not available.	Same	N/A	N/A	
4	Jun 48 to Mar 53	Not available.	Selsyn	ML144B	N/A	

SAFETAC FORM 0-19 (OL A)

ED ON REVERSE SIDE

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT. ABOVE GROUND	
5	Apr 53 to Feb 55	Located on top of control tower.	Selsyn	ML144B	75 ft	
6	Mar 55 to Feb 60	Same	Same	Same	82 ft	
7	Mar 60 to Feb 62	1. Same (used only as backup). 2. Located 1400 ft NNW of the touchdown point of runway 30.	Same AN/GMQ-1	Same RO-2	Same 13 ft	
8	Mar 62 to Feb 63	Located at ROS.	Same	Same	Same	
9	Mar 63 to Jun 70	Located 300 ft to right of runway 30, W of WOS.	Same	Same	15 ft	
10	Jul-Dec 70	1. Located 1800 ft W of ROS, right side of runway 30. 2. Located 7900 ft W of ROS, right side of runway 12.	AN/GMQ-20 Same	RO-362	13 ft Same	

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE (MAC)  
ASHEVILLE, NORTH CAROLINA

A

## PART A

## WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail - Occurrences of hail and small hail are included

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.



Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

## WEATHER CONDITIONS

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

ALL  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL	.1	15.6	.0	.0	.0	15.6	29.5	11.1		.0	38.5	23035
FEB		.0	12.0		.0	.0	12.0	16.2	6.3			21.2	20987
MAR		.0	9.7			.0	9.7	4.7	2.1			6.6	23793
APR			5.9			.0	5.9	3.3	1.4			4.6	23020
MAY		.0	2.5				2.5	2.3	1.3			3.5	23784
JUN		.0	1.1				1.1	.8	1.0			1.7	22300
JUL		.0	.2				.2	1.9	.8			2.6	23787
AUG		.1	.4				.4	2.5	1.4			3.8	23803
SEP		.1	.8				.8	3.8	4.2			7.8	23007
OCT		.0	3.6				3.6	7.8	7.1			14.5	23784
NOV		.0	9.3				9.3	17.9	12.1			28.6	23012
DEC		.0	14.1		.0	.0	14.1	30.8	12.5			40.9	23783
TOTALS		.0	6.3	.0	.0	.0	6.3	10.1	5.1		.0	14.5	278095

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

40-70  
YEARS

JAN  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	00-02	.1	16.0				16.0	32.0	5.9			37.5	2874
	03-05		16.9				16.9	38.5	5.0			42.0	2882
	06-08	.2	17.2	.0	.0		17.2	44.3	5.8			48.2	2882
	09-11		15.7				15.7	38.2	13.4			48.5	2881
	12-14		15.3				15.3	22.5	18.7			39.2	2880
	15-17		14.7			.0	14.7	16.5	17.5		.0	32.0	2880
	18-20		14.6				14.6	18.5	13.3			29.4	2878
	21-23	.1	14.1				14.1	24.5	8.8			31.5	2878
TOTALS		.1	15.6	.0	.0	.0	15.6	29.5	11.1		.0	38.5	23035

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

40-70  
YEARS

FEB  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	00-02	.0	12.0				12.0	16.8	3.5			19.2	2624
	03-05		13.5				13.5	24.8	3.7			27.4	2626
	06-08		14.0				14.0	31.1	3.5			33.2	2628
	09-11	.0	12.3			.0	12.3	24.3	8.9			30.3	2625
	12-14	.0	13.0		.0		13.0	11.1	12.2			21.6	2624
	15-17		10.5				10.5	5.8	8.0			13.3	2619
	18-20		10.2				10.2	6.2	6.1			11.7	2618
	21-23	.1	10.7				10.7	9.1	4.6			12.5	2623
TOTALS		.0	12.0		.0	.0	12.0	16.2	6.3			21.2	20987

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

MAR  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAR	00-02		10.0				10.0	3.4	.7			3.8	2969
	03-05		11.8				11.8	6.9	.5			7.3	2975
	06-08		10.0				10.0	12.9	2.0			14.5	2973
	09-11		9.9			.0	9.9	7.0	5.4			11.8	2975
	12-14		9.7				9.7	2.4	4.6			6.8	2976
	15-17	.1	8.4				8.4	1.6	1.9			3.5	2976
	18-20	.0	8.5				8.5	1.8	1.0			2.7	2976
	21-23		8.9				8.9	1.6	.9			2.4	2973
TOTALS		.0	9.7			.0	9.7	4.7	2.1			6.6	23793

3  
DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

APR  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. O OBS.
APR	00-02		6.0				6.0	3.3	.4			3.7	2876
	03-05		6.4				6.4	7.5	.8			8.1	2879
	06-08		7.0				7.0	9.6	2.1			11.3	2875
	09-11		6.6			.0	6.6	2.6	3.2			5.7	2880
	12-14		5.7			.0	5.7	1.0	2.4			3.4	2878
	15-17		5.6				5.6	.5	1.0			1.5	2879
	18-20		5.2				5.2	.8	.7			1.5	2877
	21-23		4.6				4.6	1.4	.6			1.9	2876
TOTALS			5.9			.0	5.9	3.3	1.4			4.6	23020



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

MAY  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	00-02	.1	2.8				2.8	2.6	.6			3.2	2973
	03-05		3.0				3.0	6.6	.5			7.1	2973
	06-08		3.6				3.6	6.8	2.0			8.7	2973
	09-11		2.5				2.5	.8	3.6			4.4	2973
	12-14		2.1				2.1	.5	2.0			2.5	2974
	15-17	.0	2.0				2.0	.3	.5			.8	2974
	18-20	.0	1.7				1.7	.2	.3			.4	2976
	21-23		2.1				2.1	.4	.6			.9	2968
TOTALS		.0	2.5				2.5	2.3	1.3			3.5	23784

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-40, 42-70  
YEARS

JUN  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JUN	00-02		1.3				1.3	.3	.5			.8	2787
	03-05		1.1				1.1	2.8	.7			3.5	2787
	06-08		1.5				1.5	2.3	1.7			3.9	2789
	09-11		1.1				1.1	.2	2.8			3.0	2788
	12-14		.9				.9	.2	1.1			1.3	2789
	15-17	.1	1.1				1.1	.1	.3			.4	2785
	18-20		1.1				1.1	.1	.3			.4	2786
	21-23	.0	1.0				1.0	.1	.3			.4	2789
TOTALS		.0	1.1				1.1	.8	1.0			1.7	22300



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

JUL  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	00-02	.1	.1				.1	.9	.2			1.1	2975
	03-05		.3				.3	6.5	.5			6.8	2972
	06-08	.1	.2				.2	7.2	1.5			8.6	2970
	09-11	.0	.2				.2	.2	2.2			2.4	2973
	12-14		.2				.2		1.1			1.1	2975
	15-17		.0				.0		.4			.4	2976
	18-20	.1	.2				.2		.3			.3	2972
	21-23	.0	.1				.1	.1	.2			.3	2974
TOTALS		.0	.2				.2	1.9	.8			2.6	23787

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

AUG  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS V'ITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	00-02	.1	.4				.4	1.4	.5			1.8	2976
	03-05	.1	.5				.5	6.9	.7			7.4	2975
	06-08	.1	.4				.4	10.8	2.1			12.5	2976
	09-11	.1	.2				.2	.6	4.3			4.8	2976
	12-14		.4				.4	.1	2.5			2.5	2976
	15-17		.5				.5	.1	.6			.7	2976
	18-20		.4				.4	.2	.2			.4	2973
	21-23		.4				.4	.1	.3			.5	2975
TOTALS		.1	.4				.4	2.5	1.4			3.8	23803

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

SEP  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	00-02	.1	.7				.7	1.9	1.5			3.4	2877
	03-05		1.1				1.1	9.4	1.8			11.0	2876
	06-08	.1	1.1				1.1	16.1	4.8			20.4	2876
	09-11	.1	.9				.9	2.3	9.9			12.0	2877
	12-14		.5				.5	.2	8.3			8.5	2877
	15-17	.0	.6				.6		2.7			2.7	2873
	18-20	.1	.4				.4	.1	2.4			2.5	2876
	21-23	.0	.7				.7	.2	2.0			2.2	2875
TOTALS		.1	.8				.8	3.8	4.2			9.8	23007

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

OCT  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	00-02	.1	3.6				3.6	8.9	3.6			11.9	2976
	03-05	.1	4.1				4.1	15.3	2.2			17.2	2972
	06-08		4.2				4.2	21.8	4.1			25.2	2976
	09-11		4.0				4.0	8.5	14.6			22.6	2971
	12-14		3.2				3.2	1.6	15.6			16.8	2976
	15-17	.0	3.0				3.0	1.2	7.1			8.1	2970
	18-20		3.3				3.3	1.8	5.2			6.8	2975
	21-23		3.3				3.3	3.2	4.6			7.3	2968
TOTALS		.0	3.6				3.6	7.8	7.1			14.5	23714

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

NOV  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	00-02	.1	9.3				9.3	20.5	7.9			27.0	2873
	03-05	.1	10.8				10.8	28.4	6.9			33.8	2874
	06-08		10.1				10.1	34.6	8.3			40.6	2872
	09-11	.0	9.2				9.2	22.4	18.7			38.9	2879
	12-14	.0	9.1				9.1	9.9	20.3			29.0	2879
	15-17		8.9				8.9	6.9	13.7			20.1	2879
	18-20		8.5				8.5	8.2	10.7			18.1	2877
	21-23	.0	8.3				8.3	12.6	10.0			21.0	2879
TOTALS		.0	9.3				9.3	17.9	12.1			28.6	23012

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

DEC  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	00-02	.0	15.1				15.1	35.1	8.0			40.9	2973
	03-05	.0	15.5		.1		15.6	40.0	7.4			45.2	2975
	06-08	.1	15.2				15.2	44.4	7.4			49.8	2975
	09-11		14.1		.0		14.1	36.8	16.1			49.5	2975
	12-14	.1	13.1			.0	13.1	23.6	20.6			41.3	2973
	15-17		13.0				13.0	18.5	17.6			34.0	2972
	18-20		13.6				13.6	20.7	12.9			31.3	2969
	21-23		13.3				13.3	27.5	9.8			35.1	2971
TOTALS		.0	14.1		.0	.0	14.1	30.8	12.5			40.9	23783



## PART A

## ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the total columns.

This presentation is by month with annual totals, and is prepared with all years combined.

NOTE: A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than  $\frac{5}{8}$  mile.

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USAF ETAC  
AIR WEATHER SERVICE/MAC

XXXXXXXXXXXXXXXXXXXXXXXXXXXX  
XWEATHERXCONDITIONS  
XATMOSPHERIC PHENOMENAX

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

46-70  
YEARS

ALL  
MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SHOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY	1.4	43.4	.1	.1	.4	46.4	61.9	40.8			69.6	774
FEB		.9	35.7		.3	.9	40.3	51.3	31.5			53.6	705
MAR		.6	33.8			.8	39.2	25.5	12.8			30.5	775
APR		.8	22.5			.7	26.7	18.1	8.3			22.4	750
MAY		.5	14.2			.1	16.8	13.4	6.6			16.5	775
JUN		.1	3.3				10.0	6.1	3.5			8.8	748
JUL		.8	2.5				2.8	12.5	3.7			14.6	775
AUG		.6	4.4				4.5	17.1	7.0			20.2	774
SEP		.8	6.9				7.7	24.0	14.8			30.3	750
OCT		.4	17.5			.1	20.4	32.9	23.8			41.4	773
NOV		.5	20.3			.4	33.3	51.2	39.1			61.7	750
DEC		.5	37.5			.6	42.9	64.5	39.0			72.5	774
TOTALS		.7	21.4	.0	.0	.3	24.2	31.5	19.2			37.0	9123



DATA PROCESSING DIVISION  
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ASHEVILLE, NORTH CAROLINA

## PART B                      PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION

DERIVED FROM DAILY OBSERVATIONS

SNOWFALL\*

DERIVED FROM DAILY OBSERVATIONS

SNOW DEPTH

DERIVED FROM DAILY OBSERVATIONS

1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.
2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations	From beginning of record thru 1945	Snow depth at 0800 LST
	Jan 46-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT
U. S. Navy and Weather Bureau Stations	From beginning of record thru Jun 52	Snow depth at 0030 GCT
	Jul 52-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT

\* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956, but has been removed from this summary.

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## DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
PRECIPITATION  
(FROM DAILY OBSERVATIONS)

29211 STATION HAMILTON AFB CALIF/SAN RAFAEL 39-70 YEARS

PRECIP.	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.03	.04-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	52.7	11.0	2.2	4.4	4.2	6.5	5.3	6.8	5.9	1.2				56.3	930	6.55	15.31	.99
FEB	58.4	9.2	1.6	4.6	3.4	5.6	6.3	5.9	4.6	.3				52.3	876	4.57	13.58	TRACE
MAR	61.3	10.4	2.4	5.7	3.8	4.7	4.2	4.3	3.0					28.3	992	3.13	8.76	.17
APR	73.0	7.6	1.5	3.8	2.7	4.3	2.6	3.5	.9	.1				19.4	960	1.84	5.61	TRACE
MAY	82.2	8.2	1.5	2.6	1.8	2.3	.9	.5						9.7	992	.40	2.50	.00
JUN	90.3	7.1	.5	.6	.3	.2	.6		.2					2.6	930	.19	1.82	.00
JUL	97.1	2.6	.2	.1										.3	992	.00	.09	.00
AUG	96.2	2.2	.4	.7	.4			.1						1.6	992	.04	.67	.00
SEP	91.7	5.5	.8	.3	.9	.3	.3	.1	.1					2.8	930	.17	2.35	.00
OCT	78.3	10.1	1.1	1.7	2.3	1.9	1.1	1.7	1.7	.1				11.6	930	1.64	8.07	.00
NOV	65.3	9.5	2.1	3.1	2.9	3.6	4.2	4.9	3.1	.3				24.3	960	3.43	10.74	TRACE
DEC	56.5	10.7	1.8	4.1	3.6	6.4	5.5	6.0	4.2	1.1				32.9	992	5.53	18.86	.37
ANNUAL	75.3	7.8	1.3	2.6	2.2	3.0	2.6	2.8	2.0	.3				16.8	11476	27.54		

1210-W FORM 1 64 0-15-5 (OL1)

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## EXTREME VALUES

PRECIPITATION  
(FROM DAILY OBSERVATIONS)

23211 HAMILTON AFB CALIF/SAN RAFAEL 39-70

STATION

STATION NAME

YEARS

### 24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN	JUL	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
39			1.20	.11	.16	TRACE	TRACE	.00	.27		.15	.49	
40	2.52	3.12	1.62	.66	.82	TRACE	.00	.00	.03	1.14	.07	2.81	3.15
41	2.00	1.46	1.19	2.77	.33		.00	TRACE	.01	.85	1.16	1.53	
42	2.30	2.00	1.45	.96	.39	.00	.00	.00	TRACE	.50	.95	2.39	2.39
43	3.50	.47	.58	1.37	TRACE	TRACE	TRACE	.00	TRACE	.51	.61	.99	3.59
44	1.24	1.72	.80	1.41	.71	.02	.00	TRACE	.72	1.46	.82		
45	1.38	1.81	1.24	.34	.32	TRACE	.01	.00	TRACE	2.43	.92	3.02	3.02
46	.60	.37	.70	.06	.39	.00	.03	TRACE	TRACE	.06	1.98	.90	1.96
47	.82	1.56	1.03	.27	.11	.50	.00	.00	TRACE	2.33	.93	.63	2.33
48	.41	.41	1.10	1.32	.10	.02	TRACE	.00	.07	.49	.39	1.61	1.61
49	1.11	.95	1.92	TRACE	.06	.00	TRACE	.04	TRACE	.01	1.44	1.32	1.92
50	2.34	2.32	.89	.35	.12	TRACE	TRACE	.00	.00	1.07	2.02	3.87	3.87
51	.62	1.41	.62	.36	.52	TRACE	TRACE	.02	TRACE	.97	1.09	2.03	2.03
52	2.11	1.10	2.33	.42	.16	.27	TRACE	TRACE	TRACE	TRACE	1.94	2.51	2.51
53	1.08	TRACE	.84	1.15	.02	.03	.00	.03	TRACE	.54	2.41	.41	2.41
54	2.70	1.49	1.27	.81	.11	.27	TRACE	.07	TRACE	.08	3.31	2.42	3.31
55	1.40	.91	.23	1.30	.03	TRACE	.00	TRACE	.41	.01	1.05	3.37	3.37
56	1.62	1.89	.11	.33	.17	.03	TRACE	.00	.12	.97	.07	.19	1.89
57	2.53	1.24	.61	.65	.70	.01	.00	TRACE	.80	1.59	.58	1.40	2.53
58	2.27	2.96	1.34	1.83	.49	.33	TRACE	TRACE	TRACE	.04	1.00	.52	2.96
59	2.75	2.15	.08	.25	TRACE	.00	TRACE	TRACE	2.28	.00	TRACE	1.39	2.75
60	1.12	1.16	.50	.88	.42	TRACE	.00	.00	TRACE	.30	1.43	2.64	2.64
61	1.10	.42	1.31	.57	.03	TRACE	TRACE	.02	.20	.01	1.08	1.61	1.61
62	.86	3.17	1.77	.28	TRACE	TRACE	.00	TRACE	TRACE	3.89	.73	1.36	3.89
63	3.36	.97	2.01	.81	.29	.00	.00	.01	.08	1.16	1.49	.66	3.36
64	1.77	.14	.71	.27	.21	1.81	TRACE	.03	.00	1.42	1.58	1.55	1.81
65	2.01	.69	.72	.88	.00	TRACE	.01	.67	TRACE		1.59	1.49	
66		1.74	.14	.15	.10	.09	TRACE	.68	.07	TRACE	3.06	2.84	
67	3.94	.47	1.86	1.40	.09	1.36	.00	.00	.00	.20	.45	.77	3.94
68	3.88	1.53	1.66	.32	.10	TRACE	.00	.08	.01	.87	1.55	1.35	3.88
MEAN													
S. D.													
TOTAL OBS.													

## EXTREME VALUES

### PRECIPITATION (FROM DAILY OBSERVATIONS)

23211	HAMILTON AFB CALIF/SAN RAFAEL	39-70
STATION	STATION NAME	

24 HOUR AMOUNTS IN INCHES

[illegible]

## EXTREME VALUES

<u>23211</u>	<u>HAMILTON AFB CALIF/SAN RAFAEL</u>	<u>39-70</u>
STATION	STATION NAME	

[illegible]

USAF ETAC FORM 0-88-5 (OLI)  
JUL 64



3 DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
~~SNOWFALL~~  
(FROM DAILY OBSERVATIONS)

23211 STATION HAMILTON AFB CALIF/SAN RAFAEL 46-70 YEARS

PRECIP.	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	100.0														744	.0	.0	.0
FEB	99.7	.3													706	TRACE	TRACE	.0
MAR	100.0														775	.0	.0	.0
APR	100.0														750	.0	.0	.0
MAY	100.0														775	.0	.0	.0
JUN	100.0														750	.0	.0	.0
JUL	100.0														775	.0	.0	.0
AUG	100.0														775	.0	.0	.0
SEP	100.0														750	.0	.0	.0
OCT	100.0														744	.0	.0	.0
NOV	100.0														750	.0	.0	.0
DEC	100.0														775	.0	.0	.0
ANNUAL	100.0	.0													9069	.0	X	X

1210 WS FORM JUL 64 0-15-5 (OL-1)

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# EXTREME VALUES

SNOWFALL  
(FROM DAILY OBSERVATIONS)

23211 HAMILTON AFB CALIF/SAN RAFAEL 66-70

STATION

STATION NAME

YEARS

## 24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
47	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
51	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
53	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
57	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
59	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
62	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
63	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
64	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
65	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
66	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
67	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
68	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
69	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
72	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
MEAN	.00	TRACE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
S. D.	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TOTAL OBS.	744	706	775	750	775	790	775	775	750	744	750	775	1069

USAF ETAC FORM 0-88-5 (OIJ)

## EXTREME VALUES

23211      HAMILTON AFB CALIF/SAN RAFAEL      46-70  
STATION      STATION NAME

[illegible]

USAF ETAC FORM 0-88-5 (OU)



3 DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
SNOW DEPTH  
(FROM DAILY OBSERVATIONS)

79211 STATION HAMILTON AFB CALIF/SAN RAFAEL STATION NAME 39-70 YEARS

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP.	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	100.0														930			
FEB	100.0														876			
MAR	100.0														992			
APR	100.0														960			
MAY	100.0														992			
JUN	100.0														930			
JUL	100.0														992			
AUG	100.0														992			
SEP	100.0														930			
OCT	100.0														930			
NOV	100.0														960			
DEC	100.0														992			
ANNUAL	100.0														11476			

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## EXTREME VALUES

SNOW DEPTH  
(FROM DAILY OBSERVATIONS)

23211 HAMILTON AFB CALIF/SAN RAFAEL

39

STATION

STATION NAME

YEARS

DAILY SNOW DEP

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
39													
40													
41													
42													
43													
44													
45													
46													
47													
48													
49													
50													
51													
52													
53													
54													
55													
56													
57													
58													
59													
60													
61													
62													
63													
64													
65													
66													
67													
68													
MEAN													
S. D.													
TOTAL OBS.													

USAF ETAC FORM 0-88-5 (OU)  
JUL 64

## EXTREME VALUES

<u>23211</u>	<u>HAMILTON AFB CALIF/SAN RAFAEL</u>
STATION	STATION NAME

39-70

YEARS

DAILY SNOW DEPTH IN INCHES

[illegible]

USAF ETAC FORM 0-88-5 (OLI)

## EXTREME VALUES

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70

**YEARS**

[illegible]

USAF ETAC FORM 0-88-5 (OUI)

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE (MAC)  
ASHEVILLE, NORTH CAROLINA

## PART C

## SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through <sup>JUNE</sup> 1968, and in tens of degrees starting in <sup>JULY</sup> 1968. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

- a. Three tables are prepared for all surface winds included, and for all years combined as follows:

- (1) Annual - all hours combined
- (2) By month - all hours combined
- (3) By month - by standard 3-hour groups

- b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## EXTREME VALUES

SURFACE WINDS  
(FROM DAILY OBSERVATIONS)

23211 HAMILTON AFB CALIF/SAH RAFAEL 46-70

STATION

STATION NAME

YEARS

### DAILY PEAK GUSTS IN KNOTS

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
46													
47	N 42SSW 33S	33NNW 30NW	28NNE 36NNW 28WSW 29W	30S 35NNW 34SE 29	W 42								
48	NE 30	SSW 47NNW 33NNW 30NNW 32NNW 23W	30WSW 25WNE 30ESE 42										
49	N 40NW 32SSW 42NW 29NNW 45SW 32W 23NW 26NNW 28NNE 36SSW 47NNW 34	SSW 47											
50	WSW 43SW 39NNW 30SSW 28NW 24NNW 41NNW 23NW 26W 23SSE 60S 53NW 36	SSE 60											
51	W 29SE 29N 28NNW 36NNW 36NNW 30ESE 28SSW 24												
52													
53	SSW 38NW 50S 40NW 31W 35W 38NNE 23NW 31NW 23N 44S 17N 47	NW 50											
54	SSW 56SSW 49WSW 36SSW 26NNW 32NNW 37NW 21WSW 30NNW 29N 31S 39SSW 38	SSW 56											
55	NNW 37NNE 36NNE 36SW 49NNW 34NNW 29NNW 29SSW 21NE 28NNW 30NNW 34S 53	S 53											
56		NNW 36NNW 35NNW 33NW 39SSE 30NNW 28NNW 41SW 44NNE 32NNW 36											
57	SH 54SW 48NNW 30NNE 34WSW 31NNW 35NW 29NNW 46SSW 44SSW 33N 47W 37	SW 54											
58	SSW 39SSW 75S 40SSW 40WSW 21NNW 24SSE 20ESE 10SW 22NNW 22W 32SSW 31	SSW 75											
59	S 42SSW 46SSW 31SSW 29W 39W 34NNW 24NW 21SSW 46NE 39NW 30NNW 30	SSW 46											
60	S 33E 54NNW 32NNW 39NW 29SSW 23NW 22NNW 25NNW 27NNW 64NNW 46S 34	NNW 64											
61	SSW 24S 35S 31S 32NNW 31NW 24NNW 29NW 23NW 26N 34SSW 28S 36	S 38											
62	SSW 31S 44SE 38W 20W 32NNW 20SE 21NNW 20												
63	S 46SW 23NW 28S 32NNW 27NW 27NNW 28WSW 21S 19S 22S 41E 10	S 46											
64	SSW 47NNE 27SSE 31NNW 34W 34W 26W 23NNW 22N 24SW 20SE 26SSE 35	SSW 47											
65	SSE 54E 24SSW 23N 35NNW 30W 28SSE 21NNW 32N 41NNW 28S 42SSW 43	SSE 54											
66	S 32N 29NNW 28N 27SW 29W 30E 24E 26W 27NNW 27S 34SE 42	SE 42											
67	SSE 43W 26SE 39NNW 29W 23SE 22S 24SE 19SSW 24S 31SSW 29W 45	W 45											
68	SSW 47S 26S 35NW 31NNW 27NW 2729/ 2819/ 2628/ 2820/ 2814/ 3515/ 44	SSW 47											
69	17/ 5115/ 3728/ 2418/ 3028/ 3229/ 2328/ 1817/ 1727/ 17 2/ 3121/ 3019/ 40	17/ 51											
70	20/ 4619/ 38 3/ 3929/ 3330/ 2029/ 3514/ 1831/ 2030/ 2413/ 2719/ 3429/ 42	20/ 46											
71	NNE 36 WNW 26 SSW 38 WNW 31 WNW 31 WNW 26 WNW 20 WNW 23 WNW 26 WNW 36 SSW 28 SSW 40	SSW 40											
72	WNW 36 SW 26 SSW 26 WNW 29 SW 25 SW 22 NW 23 WNW 27 NW 22 SW 33 SE 32 SSW 24	SSW 40											
73	9/44 23 33 27/4-31 29 34 3052 80 28 3125	SW 33											
MEAN	41.0	38.0	33.6	33.3	31.4	30.2	24.2	23.0	28.4	33.0	36.1	37.3	30.7
S.D.	8.86	12.57	4.99	5.88	4.94	5.31	3.73	6.19	7.70	11.77	7.55	7.65	8.69
TOTAL OBS.	673	390	680	685	705	715	708	711	657	705	695	740	1222

USAF ETAC FORM 0-88-5 (OU)

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# EXTREME VALUES

SURFACE WINDS  
(FROM DAILY OBSERVATIONS)

23211 HAMILTON AFB CALIF/SAN RAFAEL 46-70

STATION

STATION NAME

YEARS

DAILY PEAK GUSTS IN KNOTS  
/BASED ON LESS THAN 90% OBSERVATIONS FOR MONTH/

MONTH YEAR	JAN	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
39			0	0	0	0	0	0	0	0	0	0	WINDS DAYS
40	0	0	0	0	0	0	0	0	0	0	0	0	WINDS DAYS
41	0	0	0	0	0		0	0	0	0	0	0	WINDS DAYS
42	0	0	0	0	0	0	0	0	0	0	0	0	WINDS DAYS
43	0	0	0	0	0	0	0	0	0	0	0	0	WINDS DAYS
44	0	0	0	0	0	0	0	0	0	0	0	0	WINDS DAYS
45	0	0	0	0	0	0	0	0	0	0	0	0	WINDS DAYS
46	0	SW 25 S 39											WINDS DAYS
47	0	9 13		0	0	0	0	0	0	0	0		WINDS DAYS
48		SW 20 S 49											WINDS DAYS
49		7 23											WINDS DAYS
50									NW 23				WINDS DAYS
51									26	0	0	0	WINDS DAYS
52	0	0	NH 24	1	0	0	NNW 20H 21SE 17	7	13	23			WINDS DAYS
53	5	40SSW 45											WINDS DAYS
54	27	23											WINDS DAYS
55									NNW 23				WINDS DAYS
56									26				WINDS DAYS
57													
58													
59													
60													
61													
62													
63													
64													
65													
66													
67													
68													
69													
70													
MEAN													
S.D.													
TOTAL OBS.													



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23211 STATION HAMILTON AFB CALIF/SAN RAFAEL 39-70 YEARS ALL NORTH ALL HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	1.1	.3	.3	.1	.0	.0	.0	.0			4.3	5.3
NNE	.4	.4	.2	.1	.0	.0	.0	.0	.0			1.2	6.2
NE	.6	.4	.3	.1	.0	.0	.0	.0	.0			1.4	5.3
ENE	.3	.3	.3	.1	.0							1.0	5.8
E	1.3	1.5	1.4	.5	.1	.0						4.8	6.3
ESE	.8	1.4	1.3	.4	.0	.0	.0					3.9	6.5
SE	1.5	2.2	3.7	1.3	.1	.0	.0	.0				8.8	7.4
SSE	.4	.8	1.4	.8	.1	.0	.0					3.5	8.4
S	1.1	1.0	1.1	.6	.1	.0	.0	.0				4.1	7.1
SSW	.7	.9	1.0	.6	.1	.0	.0	.0	.0	.0		3.3	7.8
SW	1.2	1.2	1.4	.5	.1	.0	.0	.0				4.4	6.6
WSW	.4	.6	.7	.2	.0	.0	.0	.0				2.0	7.1
W	1.6	1.0	1.5	.7	.1	.0	.0	.0				4.9	6.5
WNW	.6	1.0	2.0	1.2	.2	.0	.0					4.9	8.7
NW	2.1	2.3	4.0	1.8	.2	.0	.0					10.4	7.5
NNW	1.5	1.9	1.8	.8	.1	.0	.0					5.6	6.8
VARBL													
CALM												31.6	
	16.4	17.6	22.0	9.8	1.3	.3	.0	.0	.0	.0		100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 278159

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 23211 STATION NAME HAMILTON AFB CALIF/SAN RAFAEL YEARS 40-70 MONTH JAN  
CLASS ALL WEATHER MONTH ALL  
CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	.8	.4	.2	.0	.0						3.1	4.8
NNE	.4	.3	.1	.1	.0	.0	.0					1.0	5.5
NE	.7	.5	.3	.1	.0	.0						1.7	5.1
ENE	.4	.0	.5	.2	.0							1.7	6.4
E	1.9	2.8	3.9	1.8	.1	.0						10.5	7.4
ESE	.9	1.2	1.4	.6	.1							4.2	7.1
SE	1.8	1.9	1.8	.7	.1	.0		.0				6.4	6.4
SSE	.5	.8	1.0	.6	.2	.0	.0					3.2	8.3
S	1.4	1.3	1.6	1.2	.3	.2	.0	.0				6.1	8.5
SSW	.7	.7	1.2	1.1	.4	.2	.0	.0				4.2	10.1
SW	1.1	1.1	1.4	.8	.2	.0	.0	.0				4.6	7.6
WSW	.3	.4	.5	.3	.0	.0						1.6	7.7
W	1.3	.8	.8	.3	.1	.0						3.2	5.8
WNW	.5	.8	1.1	.6	.1	.0						3.1	7.8
NW	1.6	1.6	1.8	.7	.1	.0						5.7	6.6
NNW	1.0	1.0	.9	.3	.1	.0						3.4	6.7
VARBL													
CALM												36.4	
	16.1	16.5	18.8	9.6	1.9	.6	.1	.0				100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 23049

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23211 HAMILTON AFB CALIF/SAN RAFAEL 40-70 FEB  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
ALL  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.3	.9	.3	.1	.0	.0	.0				4.4	6.0
NNE	.4	.3	.3	.2	.1	.0	.0					1.4	8.1
NE	.5	.3	.3	.1	.1	.0						1.3	6.5
ENE	.3	.4	.4	.1	.0							1.3	6.0
E	1.4	1.8	1.7	.8	.2	.0						5.0	6.8
ESE	.9	1.4	1.3	.5	.0							4.1	6.7
SE	1.5	2.2	2.1	.4	.1	.0						6.3	6.3
SSE	.5	1.0	1.4	.6	.2	.1						3.9	8.3
S	1.3	1.2	1.6	.8	.2	.1	.0					5.2	7.6
SSW	.6	1.1	1.3	1.0	.3	.2	.0		.0	.0		4.5	9.4
SW	1.1	1.2	1.4	.5	.2	.0	.0					4.4	7.2
WSW	.3	.5	.8	.3	.1	.0	.0	.0				2.0	8.0
W	1.4	.9	1.2	.5	.1	.0	.0	.0				4.2	6.6
WNW	.6	1.0	1.7	.8	.1	.0						4.2	7.9
NW	1.9	2.4	3.5	1.4	.1	.0						9.3	7.2
NNW	1.2	1.6	1.8	.6	.1	.0	.0					5.3	6.9
VARBL													
CALM												32.4	
	15.6	18.7	21.6	9.0	2.0	.6	.1	.0	.0	.0		100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 21009

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.2	1.1	.4	.1	.1	.0					4.5	6.2
NNE	.4	.3	.3	.2	.1	.0						1.4	7.8
NE	.0	.3	.3	.1	.0	.0	.0					1.2	5.7
ENE	.2	.2	.2	.1	.0							.6	5.7
E	1.2	1.2	.9	.2	.0	.0						3.5	5.5
ESE	.7	1.3	.9	.1	.0	.0						3.0	5.8
SE	1.2	1.9	2.1	.5	.0	.0	.0	.0				5.8	6.8
SSE	.4	.7	1.0	.6	.1	.0	.0					2.7	8.3
S	1.2	1.1	1.3	.7	.2	.1	.0					4.5	7.5
SSW	.7	.9	1.4	1.0	.2	.0	.0					4.2	8.6
SW	1.5	1.4	1.9	.7	.1	.0						5.6	6.7
WSW	.4	.7	.9	.3	.0							2.3	7.0
W	2.2	1.4	2.0	1.1	.1	.0						6.8	6.7
WNW	.7	1.2	2.9	2.0	.2	.0						7.1	9.0
NW	2.2	2.5	4.7	2.5	.3	.0						12.2	7.9
NNW	1.1	1.7	2.2	1.2	.2	.0						6.4	7.7
VARBL													
CALM												28.0	
	16.2	18.1	24.0	11.6	1.8	.3	.1	.0				100.0	5.3

TOTAL NUMBER OF OBSERVATIONS

23795

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/HAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.3	.8	.4	.1	.0						4.1	5.8
NNE	.3	.4	.3	.1	.0	.0						1.1	5.8
NE	.5	.3	.2	.0	.0	.0						1.1	5.4
ENE	.2	.2	.1	.0	.0							.6	5.3
E	1.0	1.0	.4	.1	.0							2.5	4.6
ESE	.6	1.2	.8	.1	.0							2.7	5.7
SE	1.1	1.8	2.8	.5	.0							6.3	6.7
SSE	.3	.6	1.2	.5	.1	.0						2.8	8.2
S	1.1	.9	1.0	.6	.1	.0						3.7	6.9
SSW	.7	.9	1.1	.7	.1	.0						3.4	7.5
SW	1.2	1.3	1.7	.6	.1	.0	.0					5.0	6.8
WSW	.4	.8	1.1	.3		.0						2.6	7.1
W	1.6	1.4	2.3	1.2	.2	.0						6.9	7.6
WNW	.6	1.2	3.2	2.4	.4	.1						8.0	9.7
NW	2.1	2.9	5.9	2.9	.4	.0	.0					14.3	8.2
NNW	1.3	1.7	2.5	1.1	.1	.0	.0					6.9	7.5
VARBL													
CALM												28.3	
	14.6	18.1	25.3	11.7	1.7	.3	.0					100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 23023

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	.9	1.0	.3	.1	.0						3.9	5.6
NNE	.4	.3	.3	.1	.0	.0						1.1	5.4
NE	.6	.4	.2	.0	.0							1.2	4.6
ENE	.2	.2	.1	.0								.6	3.1
E	1.0	.8	.4	.0	.0							2.2	4.4
ESE	.5	1.2	1.0	.1	.0	.0						2.8	5.9
SE	1.0	1.7	3.5	1.1	.0							7.5	7.6
SSE	.3	.5	1.1	.7	.0							2.6	8.5
S	1.1	1.0	1.2	.3	.1							3.7	6.2
SSW	.8	1.4	1.1	.5	.0							3.8	6.5
SW	1.5	1.9	2.5	.7	.1							6.7	6.7
WSW	.4	1.1	1.4	.6	.1	.0						3.5	7.8
W	1.5	1.5	2.8	1.5	.3	.0	.0					7.6	7.9
WNW	.6	1.2	3.0	2.2	.4	.1						7.3	9.6
NW	1.8	2.3	6.2	2.9	.2	.0						13.6	8.3
NNW	1.3	1.6	2.6	1.3	.1	.0						7.0	7.6
VARBL													
CALM												24.9	
	14.6	18.3	28.3	12.5	1.3	.1	.0					100.0	5.6

TOTAL NUMBER OF OBSERVATIONS

23790



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-40,42-70  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.0	1.0	.4	.0							4.1	5.4
NNE	.4	.3	.3	.1	.0	.0						1.2	6.1
NE	.5	.4	.3	.0	.0							1.3	5.0
ENE	.2	.3	.2	.0								.7	5.3
E	.9	.9	.5	.1								2.3	4.9
ESE	.6	1.2	1.3	.3	.0							3.3	6.6
SE	1.0	1.8	4.9	2.3	.1	.0						10.1	8.3
SSE	.4	.7	1.7	1.0	.0							3.8	8.5
S	1.1	1.0	.9	.4	.0							3.4	6.1
SSW	1.0	1.4	1.0	.4	.0							3.9	6.0
SW	1.4	1.7	1.9	.5	.0							5.5	6.4
WSW	.5	1.1	1.2	.3	.0	.0						3.2	6.7
W	1.2	1.4	2.1	1.1	.2	.0						6.0	7.7
WNW	.6	1.3	3.0	2.1	.3	.0	.0					7.2	9.3
NW	1.6	2.4	5.8	2.9	.2	.0						12.8	8.3
NNW	1.2	1.3	2.3	1.4	.1	.0						6.4	7.9
VARBL													
CALM												24.8	
	14.4	18.3	28.2	13.1	1.1	.1	.0					100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 22300



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.0	1.8	1.4	.2	.0							6.4	4.7
NNE	.6	.6	.3	.0								1.6	4.9
NE	.8	.6	.4	.0	.0							1.8	4.7
ENE	.3	.3	.1	.0								.7	4.4
E	1.2	1.1	.9	.2	.0							3.4	5.2
ESE	.8	1.5	1.9	.5	.0							4.7	6.9
SE	1.2	2.4	7.6	3.9	.1	.0						15.1	8.8
SSE	.4	.7	2.4	1.5	.0							5.2	9.0
S	1.1	1.0	.9	.3	.0							3.2	5.8
SSW	.7	1.0	.6	.1	.0							2.5	5.5
SW	1.2	1.0	1.0	.2		.0						3.4	5.5
WSW	.4	.4	.4	.1	.0							1.3	6.3
W	1.1	.6	.8	.2	.0							2.8	5.5
WNW	.4	.7	1.3	.6	.0							3.0	7.9
NW	2.3	2.0	4.4	2.0	.1							10.9	7.5
NNW	2.1	1.8	2.2	.9	.0							7.0	6.4
VARBL													
CALM												27.1	
	17.7	17.6	26.6	10.7	.3	.0						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

23787

3  
DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	1.5	1.0	.2	.0							5.5	4.4
NNE	.6	.5	.3	.0								1.4	4.6
NE	.7	.6	.3	.0								1.5	4.4
ENE	.3	.3	.1	.0								.7	4.7
E	1.4	1.1	.8	.1								3.3	4.8
ESE	.8	1.5	1.9	.8	.0							5.0	7.3
SE	1.2	2.5	6.8	3.4	.1							13.9	8.6
SSE	.3	.9	2.6	2.0	.0							5.8	9.3
S	1.0	.9	.6	.2	.0							2.6	5.4
SSW	.7	1.1	.7	.3	.0							2.7	6.1
SW	1.3	1.1	1.0	.4	.0							3.8	5.8
WSW	.4	.5	.5	.1	.0							1.5	5.9
W	1.6	.8	.8	.2	.0							3.4	5.1
WNW	.3	.7	1.3	.6	.1	.0						3.1	8.5
NW	2.3	2.2	4.2	1.7	.1	.0						10.4	7.3
NNW	2.0	1.6	2.2	1.0	.0							6.8	6.6
VARBL													
CALM												28.6	
	17.4	17.7	24.9	10.9	.4	.0						100.0	4.9

TOTAL NUMBER OF OBSERVATIONS

23804

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/HAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

ALL  
COARSE (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	1.2	.8	.2	.1	.0						4.7	4.8
NNE	.5	.4	.2	.1	.0		.0					1.1	5.4
NE	.6	.4	.2	.0	.0							1.2	4.4
ENE	.3	.2	.2	.0	.0							.8	5.3
E	1.2	1.2	.9	.0								3.3	4.9
ESE	1.0	1.9	1.7	.4	.0							5.0	6.3
SE	1.6	2.7	5.8	1.1	.0							11.2	7.2
SSE	.4	.9	1.5	.7								3.5	7.8
S	.9	.6	.5	.2	.0		.0					2.2	5.4
SSW	.6	.5	.4	.1	.0	.0	.0					1.7	6.2
SW	1.2	.9	1.0	.3	.0	.0						3.4	5.9
WSW	.5	.6	.6	.2	.0							1.8	6.4
W	2.0	1.1	1.2	.5	.0							4.8	5.5
WNW	.7	1.1	2.0	1.0	.1							4.9	8.0
NW	2.7	2.5	3.9	1.3	.1							10.6	6.7
NNW	2.0	1.8	1.5	.5	.0							5.8	5.6
VARBL													
CALM												34.1	
	18.4	17.9	22.5	6.6	.4	.1	.0					100.0	4.2

TOTAL NUMBER OF OBSERVATIONS

23008

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	1.1	.6	.3	.2	.1	.0	.0				4.3	5.9
NNE	.4	.3	.1	.2	.1	.0	.0	.0				1.1	7.7
NE	.5	.3	.2	.1	.0	.0	.0	.0				1.2	6.0
ENE	.3	.2	.1	.0	.0							.6	5.1
E	1.4	1.2	.7	.1								3.4	4.7
ESE	1.1	1.5	1.3	.1								4.1	5.5
SE	2.0	3.1	3.3	.3	.0							8.7	6.0
SSE	.4	.7	1.1	.2	.0	.0						2.5	7.3
S	1.1	.8	1.0	.6	.1	.0						3.6	6.9
SSW	.7	.6	.9	.4	.1	.1	.0					2.8	7.7
SW	1.1	.9	1.2	.4	.0	.0						3.6	6.4
WSW	.3	.5	.5	.2	.0	.0						1.5	7.2
W	1.9	.9	1.5	.6	.1	.0						5.0	6.1
WNW	.7	1.0	1.8	1.0	.1	.0						4.6	8.1
NW	2.6	2.5	3.6	1.3	.1	.0						10.1	6.7
NNW	1.7	1.3	1.2	.4	.1	.0						4.8	5.9
VARBL													
CALM												38.2	
	18.1	16.8	19.2	6.4	1.0	.3	.0	.0				100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 23782

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23211 STATION HAMILTON AFB CALIF/SAN RAFAEL STATION NAME 39-70 YEARS NOV MONTH ALL HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.6	.8	.5	.3	.1	.1	.0	.0				3.3	5.5
NNE	.3	.2	.2	.1	.0	.0						.8	6.3
NE	.6	.2	.3	.1	.0							1.3	5.9
ENE	.4	.3	.3	.1	.0							1.2	6.2
E	1.3	1.7	1.6	.5	.1	.0						5.3	6.3
ESE	.8	1.3	1.1	.3	.0							3.5	6.0
SE	2.0	2.4	2.1	.4	.1	.0						7.0	5.9
SSE	.5	.9	1.2	.5	.2	.0	.0					3.4	7.9
S	1.3	1.4	1.6	1.0	.2	.0	.0					5.4	7.4
SSW	.6	.8	.9	.5	.1	.0						2.9	7.7
SW	1.1	1.0	1.2	.4	.0	.0						3.8	6.3
WSW	.3	.4	.5	.1	.0							1.3	6.3
W	2.1	1.0	1.2	.3	.0							4.5	5.1
WNW	.7	.8	1.5	.7	.1	.0						3.8	7.8
NW	2.5	2.1	2.4	.8	.1	.0						8.0	6.4
NNW	1.5	1.1	.8	.3	.1	.0	.0					3.8	5.9
VARBL													
CALM												40.6	
	17.4	16.6	17.5	6.4	1.1	.2	.0	.0				100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 23025

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23211 HAMILTON AFB CALIF/SAN RAFAEL 39-70  
STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
DEC  
MONTH  
ALL  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	.8	.5	.3	.1	.0	.0	.0	.0			3.3	5.3
NNE	.4	.3	.2	.2	.1	.0		.0	.0			1.2	7.2
NE	.6	.6	.5	.1	.0		.0	.0	.0			1.8	6.3
ENE	.5	.9	.8	.3	.0							2.6	6.7
E	1.9	3.2	4.4	2.1	.3	.0						11.9	7.7
ESE	.9	1.6	1.5	.7	.2	.0	.0					5.0	7.5
SE	1.8	1.9	1.8	.8	.2	.0						6.5	6.6
SSE	.5	.8	1.0	.6	.1	.0	.0					3.0	8.1
S	1.2	1.3	1.4	1.0	.3	.1	.0	.0				5.4	8.2
SSW	.5	.7	.9	.6	.3	.1	.0					3.1	9.4
SW	1.0	.9	1.0	.4	.1	.0	.0					3.6	7.0
WSW	.2	.3	.4	.1	.0							1.0	7.2
W	1.5	.8	.9	.4	.1	.0	.0					3.7	5.9
WNW	.4	.7	1.1	.6	.1							2.8	7.8
NW	1.9	1.6	2.0	.8	.1	.0						6.5	6.5
NNW	1.1	.9	1.0	.3	.1	.0						3.3	6.2
VARBL													
CALM												35.2	
	16.0	17.3	19.5	9.2	2.1	.5	.1	.0	.0			100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 23787



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

40-70  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	1.8	1.0	.4	.2		.0						3.5	4.6
NNE	.4	.3	.2	.0								.9	4.7
NE	1.0	.3	.2	.1								1.6	4.1
ENE	.3	.5	.2	.0								1.1	5.2
E	.0	1.7	2.9	1.0	.1							6.4	7.9
ESE	.2	.5	.7	.2	.1							1.7	7.9
SE	1.1	1.0	1.3	.3	.0	.1						5.8	6.6
SSE	.4	.6	.8	.5	.1	.1						2.4	8.7
S	1.8	1.3	1.5	.8	.2	.2						5.8	7.3
SSW	.5	.7	.7	1.2	.4	.2	.1					3.7	11.1
SW	1.3	1.1	1.2	.7	.2	.1						4.6	7.5
WSW	.2	.3	.5	.2	.0							1.2	7.4
W	1.7	.8	.4	.1	.1							3.1	4.6
WNW	.4	.9	1.1	.5	.1	.0						3.0	7.9
NW	1.9	1.9	1.9	.6	.1							6.4	6.1
NNW	1.2	1.2	.7	.2	.1							3.5	5.8
VARBL													
CALM												47.3	
	13.0	14.0	14.6	6.7	1.6	.7	.1					100.0	3.7

TOTAL NUMBER OF OBSERVATIONS

2875



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/HAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

40-70  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	1.0	.3	.2		.1						3.9	4.4
NNE	.4	.5	.1	.0								1.0	4.7
NE	.7	.7	.1	.0								1.5	4.4
ENE	.2	.7	.2	.1								1.3	5.5
E	1.2	1.5	3.4	1.1	.1							7.5	7.6
ESE	.3	.3	.7	.6	.1							2.0	8.9
SE	1.2	1.0	1.1	.9	.2							4.4	7.2
SSE	.2	.6	.6	.6	.3		.0					2.4	9.5
S	1.6	1.1	1.3	.8	.2	.1	.0	.0				5.1	7.3
SSW	.8	.6	1.4	.9	.2	.3						4.2	9.9
SW	1.0	1.0	1.2	.8	.3	.0						4.3	7.9
WSW	.3	.6	.5	.1	.1							1.5	6.9
W	1.4	.7	.7	.3	.2							3.2	5.9
WNW	.7	.8	1.2	.4	.1	.0						3.4	7.4
NW	1.9	1.9	1.1	.7	.1	.0						5.7	6.1
NNW	2.0	1.1	.9	.2	.1	.0						4.2	5.2
VARBL													
CALM												44.5	
	16.2	14.2	14.9	7.7	1.9	.6	.0	.0				100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 2882

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

40-70  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	1.1	.3	.1	.0							3.9	3.8
NNE	.3	.3	.1	.1								.8	3.1
NE	.8	.6	.4	.0								1.8	4.8
ENE	.2	.4	.7	.1								1.5	6.8
E	1.4	2.2	3.3	1.8								8.7	7.3
ESE	.3	.6	1.1	.7	.0							2.7	8.6
SE	.9	1.2	1.2	1.0	.1							4.4	7.3
SSE	.4	.8	.9	1.0	.3							3.3	9.1
S	1.7	1.1	1.9	1.3	.3	.1	.0					6.4	7.9
SSW	.0	.5	1.0	.8	.2	.1	.0					3.3	9.2
SW	.9	1.4	1.1	.7	.1							4.1	7.1
WSW	.2	.6	.4	.3								1.3	7.1
W	1.3	.7	.5	.2								2.7	4.6
WNW	.4	.8	.7	.3	.0	.0						2.2	7.0
NW	1.9	1.3	1.9	.2	.1							5.4	5.8
NNW	1.4	1.0	1.0	.2	.1	.0						3.7	5.9
VARBL													
CALM												43.6	
	15.2	14.6	16.4	8.7	1.3	.3	.1					100.0	3.9

TOTAL NUMBER OF OBSERVATIONS

2883

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23211 STATION HAMILTON AFB CALIF/SAN RAFAEL 40-70 YEARS JAN  
0900-1100  
ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	1.0	.7	.0	.1	.1						4.0	5.3
NNE	.8	.5	.2	.1	.0							1.6	4.6
NE	.6	.9	.5	.2	.0							2.2	5.7
ENE	.6	.7	.7	.4	.0							2.4	6.7
E	2.7	3.5	4.5	2.3	.1							13.1	7.1
ESE	1.1	1.7	1.8	.8	.0							5.5	7.0
SE	1.7	2.5	2.7	.8	.2							7.9	6.0
SSE	.7	1.0	1.5	1.1	.3	.1						4.7	8.8
S	.7	1.1	1.7	1.8	.5	.2						6.0	9.9
SSW	.5	.8	1.1	.9	.4	.1	.0					4.0	9.9
SW	.4	.9	1.2	.8	.0							3.3	8.0
WSW	.1	.4	.3	.5	.0							1.4	9.0
W	.2	.3	.3	.4	.0							1.3	7.8
WNW	.2	.4	.6	.2	.0							1.4	7.5
NW	1.1	.9	1.7	.9	.1							4.7	7.7
NNW	1.1	1.2	1.1	.3	.1	.1						3.9	6.9
VARBL													
CALM												32.6	
	14.6	17.7	20.8	11.4	2.1	.7	.0					100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 2881

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

40-70  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.6	.6	.4	.1							2.4	7.2
NNE	.3	.3	.2	.1	.1	.1	.0					1.1	8.4
NE	1.1	.3	.7	.2	.1	.0						2.4	6.4
ENE	.9	.8	.8	.3	.1							3.0	6.6
E	4.3	5.8	5.9	3.5	.3	.0						19.9	7.1
ESE	2.9	3.2	3.1	1.1	.0							10.3	6.2
SE	3.5	4.6	4.3	1.1	.1							13.6	6.3
SSE	.6	1.4	1.8	.7	.2							4.6	8.0
S	.4	1.2	1.8	1.3	.5	.3	.1					5.6	10.4
SSW	.3	.6	1.7	1.6	.8	.1	.0					5.0	11.4
SW	.2	.7	1.7	.9	.2	.0	.0					3.7	9.6
WSW	.1	.2	.7	.4	.1							1.5	9.9
W	.2	.5	1.4	.7	.0	.0						2.7	9.1
WNW	.1	.6	1.0	.7	.0							2.3	9.1
NW	.5	1.0	1.6	.8	.1	.0						4.1	8.3
NNW	.2	.6	.8	.4	.3	.1						2.3	9.9
VARBL													
CALM												15.4	
	16.1	22.4	27.9	14.0	3.2	.8	.2					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

2883

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23211 STATION HAMILTON AFB CALIF/SAN RAFAEL 40-70 YEARS JAN MONTH  
ALL WEATHER CLASS 1500-1700 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.3	.4	.3								1.7	6.5
NNE	.2	.1	.2	.1	.0	.0						.7	7.8
NE	.9	.5	.2	.3								1.8	5.4
ENE	.4	.7	.6	.4	.0							2.1	7.3
E	2.7	4.1	6.0	2.5	.2							15.5	7.4
ESE	1.7	2.1	2.4	.9	.0							7.1	6.6
SE	2.9	3.1	2.6	.7	.0			.0				9.4	5.9
SSE	1.0	1.2	1.0	.3	.1	.0						3.7	6.4
S	1.5	1.6	1.9	1.1	.4	.3	.1	.0				6.9	8.9
SSW	.6	.9	1.1	1.5	.5	.1		.0				4.8	10.3
SW	1.1	1.5	2.0	1.0	.2	.0						5.8	7.7
WSW	.2	.3	.9	.5								1.9	8.6
W	.9	1.4	1.8	.4	.1							4.5	6.8
WNW	.3	.8	1.6	1.1	.1							4.0	9.2
NW	.8	1.4	1.7	.7	.1							4.6	7.2
NNW	.2	.5	1.0	.3	.1	.1						2.3	8.6
VARBL													
CALM												23.1	
	16.2	20.4	25.3	12.2	2.0	.6	.1	.1				100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 2883

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

40-70  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	.6	.2	.1		.0						2.3	4.5
NNE	.5	.1	.1	.1	.1							.8	5.8
NE	.8	.2	.2	.0								1.3	4.0
ENE	.2	.4	.3	.1								1.1	6.2
E	1.2	2.0	2.6	1.1	.0							6.9	7.2
ESE	.3	.8	.9	.5	.1							2.6	8.0
SE	1.5	1.0	.9	.3	.0							3.7	5.6
SSE	.4	.6	.8	.3	.2							2.3	8.0
S	1.7	1.5	1.5	1.2	.3	.2	.1					6.5	8.3
SSW	1.0	.5	1.4	1.0	.3	.2	.0					4.4	9.4
SW	1.8	1.5	1.3	.8	.2	.0	.0	.0				5.8	7.1
WSW	.6	.7	.7	.1								2.2	5.9
W	2.4	1.3	.8	.3								4.8	4.7
WNW	1.1	1.3	1.7	.9								5.1	7.1
NW	2.4	2.2	2.6	.7	.1							7.9	6.1
NNW	1.0	.9	.7	.5	.1							3.2	6.6
VARBL													
CALM												39.1	
	18.2	15.6	16.8	8.2	1.4	.5	.1	.0				100.0	4.1

TOTAL NUMBER OF OBSERVATIONS

2881



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23211 HAMILTON AFB CALIF/SAN RAFAEL 40-70 JAN

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

2100-2300

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	.8	.2	.1								3.0	3.8
NNE	.5	.1	.1	.0								.8	3.7
NE	.3	.3	.3									1.0	5.4
ENE	.2	.5	.3	.0								1.0	5.5
E	.9	1.3	2.5	.9	.1							5.7	7.8
ESE	.1	.4	.8	.3	.1							1.8	8.9
SE	1.5	.9	.6	.3	.1							3.5	5.5
SSE	.3	.5	.8	.6	.2							2.4	9.1
S	1.9	1.1	1.3	1.4	.3	.1	.0					6.2	8.2
SSW	.8	.9	1.0	.8	.3	.1	.1					4.1	9.4
SW	2.0	1.0	1.2	.6	.3	.0						5.2	6.8
WSW	.7	.3	.3	.4	.1	.0						1.9	7.2
W	2.0	.8	.6	.1	.0							3.7	4.5
WNW	.7	.9	1.3	.5	.1							3.4	7.1
NW	2.0	1.9	1.7	1.0	.0							6.6	6.5
NNW	1.2	1.3	.8	.5	.2							4.0	6.4
VARBL													
CALM												45.8	
	17.1	13.1	13.9	7.7	1.9	.3	.1					100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 2881



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

40-70  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.2	1.4	.8	.3	.2	.1						5.0	5.7
NNE	.3	.4	.3	.2	.0							1.2	6.4
NE	.2	.3	.2	.1		.0						.7	6.8
ENE	.2	.4	.1									.6	5.1
E	.8	.8	1.2	.5	.2							3.5	7.3
ESE	.4	.4	.5	.3								1.6	7.1
SE	.7	.6	.8	.3								2.4	6.5
SSE	.3	.5	1.3	.9	.5	.1						3.5	10.8
S	1.4	.8	1.0	.9	.2	.0	.0					4.3	7.8
SSW	.6	1.0	.9	.7	.2	.3						3.7	9.1
SW	1.4	1.1	1.0	.3	.0	.0						3.9	6.0
WSW	.2	.5	.6	.0	.1							1.3	7.1
W	1.9	.8	.4	.3	.1							3.4	4.7
WNW	1.0	1.0	1.2	.3	.2							3.7	6.7
NW	2.9	3.0	3.9	1.0	.1	.1						11.0	6.4
NNW	1.6	1.8	1.8	.5	.2							5.8	6.2
VARBL													
CALM												44.2	
	16.2	14.5	15.9	6.5	1.8	.7	.0					100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 2627

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

40-70  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	1.5	1.0	.2	.1							5.3	4.8
NNE	.4	.2	.3	.2								1.1	6.0
NE	.5	.4	.3		.0							1.2	5.1
ENE	.2	.3	.3									.8	5.6
E	.6	1.0	.8	.8	.2							3.3	7.9
ESE	.2	.3	.6	.3								1.4	8.2
SE	.8	1.0	1.0	.4	.0							3.3	6.6
SSE	.3	.6	.8	.6	.2							2.6	8.8
S	1.4	1.1	1.4	.8	.2							4.9	7.1
SSW	.7	1.0	1.4	.7	.2	.2						4.2	8.9
SW	1.5	.9	1.1	.1	.2	.1						3.9	6.3
WSW	.5	.3	.3	.1								1.1	5.3
W	1.8	.6	.7	.1		.1						3.3	4.8
WNW	.7	1.1	1.4	.4	.0							3.7	6.9
NW	2.8	2.6	2.8	1.1	.2							9.4	6.3
NNW	1.8	1.6	1.5	.2		.1	.0					5.2	5.8
VARBL													
CALM												45.3	
	16.6	14.4	15.8	5.9	1.4	.5	.0					100.0	3.6

TOTAL NUMBER OF OBSERVATIONS

2628

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

40-70  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	1.5	.8	.2			.0					4.8	4.9
NNE	.6	.4	.2	.2	.0							1.6	5.9
NE	.6	.4	.2	.2	.0							1.4	5.4
ENE	.3	.2	.3	.1								1.0	6.0
E	.6	1.3	1.7	1.0	.0	.0						4.7	7.9
ESE	.4	.3	.9	.3	.1							1.9	8.1
SE	.6	.8	.8	.3	.1							2.5	6.7
SSE	.3	.8	1.3	.9	.2							3.6	9.1
S	1.4	1.2	1.4	.8	.1	.1						5.0	7.2
SSW	.6	1.0	1.2	.6	.3	.0						3.6	8.3
SW	1.2	1.0	1.1	.3	.2	.1						3.9	6.8
WSW	.4	.5	.2	.2								1.4	6.1
W	1.8	.8	.5	.1		.1	.0					3.4	4.8
WNW	.5	.8	1.0	.2	.1							2.5	6.9
NW	2.7	2.2	2.5	.8	.0							8.3	6.0
NNW	1.9	1.8	1.6	.3	.1	.0	.0					5.7	5.8
VARBL													
CALM												44.7	
	16.2	15.0	15.9	6.4	1.2	.3	.1					100.0	3.7

TOTAL NUMBER OF OBSERVATIONS

2628

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

40-70  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	2.0	1.0	.3	.1	.2	.0					6.1	5.7
NNE	.6	.4	.3	.4	.4	.0	.1					2.3	9.7
NE	1.2	.8	.3	.1	.2	.1						2.6	5.8
ENE	.8	.9	.6	.1								2.4	5.4
E	3.2	3.5	2.7	1.0	.3	.0						10.7	6.1
ESE	1.5	1.6	1.8	.9	.1							5.8	6.7
SE	1.8	2.7	2.6	.5	.0	.0						7.7	6.1
SSE	.6	1.5	1.9	.6	.3							4.9	8.0
S	.7	1.0	1.5	1.1	.3	.0						4.6	8.6
SSW	.5	.8	1.3	1.0	.5	.2						4.3	10.0
SW	.3	.5	1.3	.8	.2		.1					3.2	9.6
WSW	.0	.3	.6	.3	.0		.0					1.4	9.8
W	.5	.7	.6	.1	.0		.1					2.1	6.9
WNW	.3	.3	.8	.6	.0							2.2	8.7
NW	.9	1.6	2.6	1.7	.0	.0						7.0	8.2
NNW	.9	1.4	2.0	.9	.2		.1					5.5	8.0
VARBL													
CALM												27.5	
	16.3	20.3	22.0	10.4	2.7	.6	.4					100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

2626

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

40-70  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	.3	.6	.6	.2	.0	.0	.0				2.6	8.9
NNE	.3	.4	.3	.4	.4	.2	.0					2.0	11.7
NE	.6	.4	.4	.3	.2							1.8	7.5
ENE	.3	.8	.6	.3	.2							2.2	7.6
E	3.0	3.8	3.3	1.1	.1	.0						11.4	6.3
ESE	2.2	5.1	3.5	1.6	.0							12.4	6.5
SE	2.8	6.7	6.1	1.0	.1	.1						16.8	6.4
SSE	1.0	2.1	2.4	.6		.0						6.2	7.0
S	.5	1.2	2.4	.8	.2	.2						5.4	8.8
SSW	.2	.5	1.8	1.8	.5	.2	.0		.0			5.0	11.8
SW	.4	.7	2.2	1.1	.2							4.6	9.2
WSW	.1	.3	1.0	.5	.1	.0						2.1	9.9
W	.4	.5	2.1	1.3	.1	.0						4.4	9.3
WNW	.0	.3	1.5	.9	.2	.0						2.9	10.5
NW	.5	.6	3.1	1.4	.1							5.8	9.0
NNW	.2	1.1	1.7	.7	.1		.0					3.8	8.3
VARBL													
CALM												10.5	
	12.2	25.1	33.2	14.4	2.6	.8	.2	.0	.0			100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

2626

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

40-70  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.7	.8	.6	.3	.1						3.0	9.2
NNE	.1	.3	.3	.3	.2							1.2	10.0
NE	.3	.2	.5	.3	.0							1.4	8.2
ENE	.3	.5	.7	.2								1.8	6.3
E	1.7	2.3	2.1	.9	.2							7.2	6.3
ESE	1.7	2.7	2.0	.6								7.0	6.2
SE	2.9	4.3	3.6	.5	.1	.1						11.5	6.0
SSE	.9	1.6	2.1	.4	.1	.1						5.2	7.4
S	1.4	1.7	2.1	.6	.2	.0						6.0	7.0
SSW	.3	1.1	1.9	1.6	.3	.2				.1		5.6	10.7
SW	1.0	1.6	2.2	.6	.1							5.6	7.3
WSW	.2	.6	1.8	.6	.2			.0				3.4	9.3
W	.6	1.1	3.4	1.3	.1	.0						6.5	8.6
WNW	.4	1.0	3.4	2.1	.2							7.0	9.3
NW	1.0	1.8	4.7	1.9	.2	.0						9.6	8.4
NNW	.3	1.2	1.8	.8	.0							4.2	8.0
VARBL													
CALM												13.9	
	13.6	22.8	33.3	13.3	2.5	.6		.0		.1		100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 2625



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

40-70  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	1.6	1.1	.2	.1							4.5	5.4
NNE	.3	.2	.2	.0								.8	4.9
NE	.3	.2	.2	.1	.1							.8	7.0
ENE	.2	.3	.2									.7	4.7
E	1.1	.9	.7	.5	.1							3.3	6.3
ESE	.1	.9	.8	.2								1.6	7.3
SE	1.0	.7	1.0	.3	.1	.0						3.2	6.6
SSE	.5	.5	.5	.5	.2	.1						2.7	9.0
S	1.9	1.5	1.5	1.1	.2	.1						6.3	7.1
SSW	1.0	1.7	1.3	.6	.3	.1						9.0	7.5
SW	1.4	1.9	1.6	.5	.1	.1						5.2	6.5
WSW	.7	.9	1.2	.2	.1	.0		.0				3.1	7.2
W	2.4	2.1	1.4	.4	.2		.0	.0				6.5	5.9
WNW	1.2	1.9	2.6	1.1	.1	.1						7.0	7.5
NW	2.2	3.9	4.3	1.5	.2	.0						12.0	7.1
NNW	1.1	2.2	1.9	1.0	.0							6.2	6.9
VAR1L													
CALM												31.0	
	16.9	21.2	20.5	8.1	1.6	.5	.0	.1				100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

2624

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

40-70  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.3	.9	.4	.1	.0						4.0	6.2
NNE	.4	.3	.0									.7	3.6
NE	.3	.0	.1	.0	.1							.5	7.6
ENE	.3	.1	.2									.6	4.9
E	.6	.6	1.0	.3	.1	.0						2.6	7.2
ESE	.4	.3	.4	.2								1.2	6.3
SE	.9	1.0	.7	.3	.2	.0						3.2	6.9
SSE	.5	.7	.9	.4	.1	.1						2.7	8.4
S	1.4	1.0	1.4	.7	.4	.0						4.9	7.5
SSW	.9	1.4	.9	.8	.1	.2						4.4	8.0
SW	1.0	1.6	1.2	.5	.2	.0						3.1	6.2
WSW	.5	.6	.6	.2	.1		.0					2.0	6.8
W	1.9	.9	.9	.2	.2	.0						4.0	5.4
WNW	.9	1.5	1.7	.5	.0							4.6	6.8
NW	2.6	3.4	3.7	1.6	.2							11.5	7.0
NNW	1.5	1.8	1.7	.8	.1							5.9	6.7
VARIABLE													
CALM												42.0	
	16.1	16.5	16.2	6.8	1.9	.5	.0					100.0	4.0

TOTAL NUMBER OF OBSERVATIONS

2625

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	1.1	1.0	.2	.1							4.5	5.1
NNE	.1	.2	.2	.2	.1							.3	8.7
NE	.2	.0	.1									.4	4.4
ENE	.1	.2										.3	3.9
E	.3	.4	.2									.9	4.8
ESE	.1	.1	.3	.0								.5	7.0
SE	.6	.6	.4	.2	.1	.0						1.9	6.4
SSE	.3	.2	.6	.3	.1	.0						1.5	8.5
S	1.3	.7	1.3	.8	.2	.1						4.3	7.9
SSW	.9	1.3	1.0	.7	.2							4.1	7.2
SW	1.9	1.2	.8	.3	.2							4.4	5.7
WSW	.5	.7	.6	.1								2.0	5.6
W	3.9	1.6	.8	.4								6.7	4.1
WNW	1.3	1.5	1.9	1.0	.1							5.8	7.2
NW	3.6	2.6	3.8	2.2	.1	.0						12.3	6.9
NNW	1.5	2.0	1.7	.5	.1							5.8	6.5
VARBL													
CALM												43.8	
	18.7	14.3	14.9	6.8	1.2	.2						100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 2970

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	.8	.6	.5	.1							4.3	5.5
NNE	.4	.4	.2	.1	.0							1.1	6.1
NE	.2	.2	.3									.6	5.7
ENE	.1	.2	.1	.0								.5	5.3
E	.4	.1	.5	.0	.1							1.1	6.7
ESE	.2	.1	.1									.4	5.3
SE	.3	.5	.7	.1		.0	.1	.0				1.7	8.4
SSE	.2	.3	.4	.6	.1	.0	.1					1.7	10.3
S	1.2	1.2	.9	.7	.3	.0	.1					4.3	7.1
SSW	1.0	.8	.8	.6	.1	.0	.0					3.4	7.4
SW	1.9	1.2	1.4	.3	.0							4.9	5.7
WSW	.6	.7	.4	.0								1.7	5.0
W	3.8	1.6	.7	.2	.0							6.4	3.9
WNW	.9	1.4	1.7	1.0	.1							5.1	7.5
NW	3.1	2.8	2.9	1.7	.1	.0						10.7	6.5
NNW	2.2	2.3	1.5	.6	.1							6.6	5.7
VARBL													
CALM												45.4	
	18.8	14.6	13.2	6.7	1.0	.2	.2	.0				100.0	3.4

TOTAL NUMBER OF OBSERVATIONS

2975

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.3	1.4	1.3	.4	.1							6.5	4.8
NNE	.4	.3	.3	.1	.1	.0						1.3	7.2
NE	.8	.2	.2	.0								1.3	3.9
ENE	.0	.1		.0								.2	6.4
E	.6	.3	.5	.3	.0							1.8	6.6
ESE	.1	.2	.4	.1								.8	7.2
SE	.6	.6	.7	.4	.1	.1	.1	.0				2.6	8.8
SSE	.2	.6	.4	.5	.1		.0					1.8	9.4
S	1.5	1.3	1.4	.7	.1							5.1	6.5
SSW	.9	1.0	1.2	.3	.1							3.5	6.5
SW	1.5	1.7	1.5	.3								5.1	5.6
WSW	.4	.4	.4	.0								1.3	5.3
W	2.5	.9	.8	.2								4.3	4.3
WNW	.6	.9	1.5	.4	.1	.0						3.6	7.6
NW	3.0	2.5	3.0	1.4	.2							10.2	6.6
NNW	2.1	2.1	1.5	.9	.0							6.7	6.2
VARBL													
CALM												43.9	
	18.8	14.7	15.1	6.2	.9	.2	.1	.0				100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 2975

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	56	%	MEAN WIND SPEED
N	2.0	1.4	1.4	.6	.3	.0						5.8	6.5
NNE	.6	.6	.4	.2	.2	.1						2.1	7.8
NE	1.7	.6	.3	.2	.0							2.8	4.5
ENE	.7	.6	.4	.1	.0							1.9	5.0
E	3.2	2.7	1.5	.4	.0	.0						7.9	5.1
ESE	1.5	2.8	1.6	.4	.1	.0						6.5	5.9
SE	2.8	3.1	3.6	1.0	.1	.1						10.7	6.5
SSE	1.0	1.1	1.3	1.0	.1							4.5	7.7
S	1.0	.9	1.5	.6	.1	.1						4.3	7.7
SSW	.4	.4	1.3	1.4	.3	.0	.0					3.9	10.4
SW	.7	1.0	2.1	.6								4.4	7.5
WSW	.2	.4	.8	.3	.1							1.7	8.1
W	.5	.6	2.1	.4		.0						3.6	7.8
WNW	.2	.9	1.7	1.2	.2							4.3	9.4
NW	.7	1.4	4.1	2.1	.4							8.7	9.1
NNW	.4	1.4	3.0	1.7	.3	.0						6.9	9.2
VARBL													
CALM												20.0	
	17.6	20.0	27.1	12.3	2.4	.5	.0					100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 2975



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

KAR  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.5	.8	.6	.2	.3	.0					2.6	11.3
NNE	.2	.2	.2	.5	.2	.0						1.3	11.4
NE	.4	.2	.5	.2	.2		.0					1.4	8.7
ENE	.3	.4	.3	.0								1.0	6.0
E	2.9	3.8	2.9	.5	.1							10.1	5.7
ESE	1.6	4.8	3.2	.5								10.2	6.0
SE	1.9	5.4	8.1	1.0		.0	.0	.0				16.5	7.0
SSE	.4	1.4	3.0	1.2	.1	.0						6.2	8.5
S	.4	1.1	1.5	.8	.4	.0	.0					4.3	9.1
SSW	.1	.4	1.6	2.1	.4	.1						4.8	11.4
SW	.4	.7	2.2	1.6	.2	.1						3.3	9.8
WSW	.0	.5	1.3	.6	.1							2.5	9.4
W	.2	1.1	3.3	2.6	.4	.1						7.6	10.1
WNW	.4	.6	2.8	2.8	.3							6.9	10.4
NW	.4	1.2	4.4	2.6	.4							9.0	9.6
NNW	.1	.7	2.5	1.7	.2	.0						5.2	10.0
VARBL													
CALM												4.9	
	9.8	23.2	38.5	19.5	3.2	.8	.1	.0				100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 2975

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION 23211 STATION NAME HAMILTON AFB CALIF/SAN RAFAEL YEARS 39-70 MONTH MAR  
CLASS ALL WEATHER HOURS (L.S.T.) 1500-1700  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.7	1.4	.5	.1	.1						3.3	8.2
NNE	.1	.2	.4	.6	.1	.0						1.4	11.3
NE	.3	.3	.6	.2	.1	.0						1.3	7.8
ENE	.1	.1	.2	.2								.5	8.4
E	1.4	1.7	1.0	.3	.0							4.3	5.7
ESE	1.1	2.4	1.2									4.7	5.2
SE	1.9	3.4	2.8	.4		.0		.0				8.6	6.1
SSE	.3	1.3	1.3	.3	.2							3.4	7.2
S	.8	.9	1.4	.7	.4	.0						4.3	8.6
SSW	.3	.8	1.9	1.7	.4	.1						5.3	10.0
SW	.6	1.6	3.7	1.4	.2							7.5	8.4
WSW	.2	.8	1.8	.8	.1							3.7	8.7
W	.5	1.3	4.0	3.7	.2	.1						9.7	10.1
WNW	.1	.6	5.3	5.5	.5	.0						12.2	11.0
NW	1.0	2.1	9.0	4.7	.4							17.3	9.3
NNW	.2	.7	3.2	2.3	.3							6.6	10.0
VARBL													
CALM												5.5	
	9.7	18.9	39.3	23.4	2.9	.4		.0				100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 2976

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.0	1.3	.3	.1							5.1	5.7
NNE	.5	.4	.2	.1	.0	.1						1.3	6.1
NE	.2	.3	.1			.0	.0					.6	7.2
ENE	.1	.1	.2	.0								.4	6.6
E	.4	.3	.2	.1								1.0	5.1
ESE	.3	.3	.2									.8	4.3
SE	.9	1.0	.4	.2	.1	.0						2.7	5.8
SSE	.2	.4	.4	.3	.0	.0						1.4	8.1
S	1.4	.9	1.1	.5	.2	.1						4.2	7.0
SSW	.6	1.3	1.8	.8	.2							4.7	7.9
SW	2.7	2.0	2.0	.5	.1							7.4	5.7
WSW	.5	1.4	1.4	.1								3.4	6.2
W	3.2	2.0	3.0	.8	.1							9.0	6.1
WNW	.9	2.3	3.5	2.8	.2							11.7	8.5
NW	2.5	4.5	6.5	3.0	.3	.0						16.8	7.6
NNW	1.2	2.9	2.7	1.1	.2	.0						8.1	7.3
VARBL													
CALM												21.5	
	17.1	22.0	27.0	10.5	1.5	.3	.0					100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

2976

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

HAR  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN- WIND SPEED
N	1.5	1.4	.8	.3	.1							4.1	5.5
NNE	.7	.4	.2	.0								1.3	4.2
NE	.7	.2	.0									.9	2.9
ENE	.0	.1										.2	4.2
E	.5	.3	.2									1.0	4.2
ESE	.3	.0										.3	2.7
SE	.8	.4	.5	.3								2.0	6.4
SSE	.2	.3	.4	.3	.0							1.2	8.0
S	1.9	1.4	1.0	.4	.2	.1						5.1	6.3
SSW	1.0	1.0	1.3	.5	.2							4.1	7.2
SW	2.5	1.7	1.0	.4	.0	.0						5.8	5.1
WSW	.6	.9	.7	.1								2.4	5.8
W	3.2	2.0	1.6	.4	.1							7.2	5.0
WNW	1.3	1.5	2.9	1.2	.1							7.0	7.7
NW	2.9	3.1	4.0	2.3	.3	.0						12.6	7.4
NNW	1.2	1.9	1.9	.6	.1							5.7	6.8
VARBL													
CALM												39.0	
	19.3	16.7	16.5	7.1	1.2	.1						100.0	3.9

TOTAL NUMBER OF OBSERVATIONS

2973

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

STATION 23211 STATION NAME HAMILTON AFB CALIF/SAN RAFAEL YEARS 39-70 MONTH APR  
CLASS ALL WEATHER HOURS (L.S.T.) 0000-0200  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.0	.3	.4	.1							3.3	5.2
NNE	.3	.2	.1	.1								.7	4.6
NE	.2	.3	.2	.0								.7	5.2
ENE	.1	.2										.3	4.0
E	.6	.2										.7	2.6
ESE	.1	.0		.1								.2	7.9
SE	.6	.1	.2									1.0	4.0
SSE	.3	.3	.2	.3	.1							1.2	8.6
S	1.4	.8	1.1	.4								3.6	6.0
SSW	1.2	1.1	.5	.5								3.2	5.6
SW	2.3	1.8	.8	.1								5.0	4.4
WSW	.7	1.0	.5	.1								2.4	5.0
W	2.9	1.4	1.8	.3	.1							6.5	5.1
WNW	.8	1.3	2.2	1.0	.1							5.4	7.8
NW	3.0	2.8	3.5	1.9	.2							11.4	6.9
NNW	2.0	1.8	1.1	.5	.0							5.4	5.5
VARBL													
CALM												48.9	
	17.9	14.5	12.4	3.6	.7							100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 2878

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

APR  
MONTH

0300-0500  
HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	1.0	.6	.3	.0							3.5	5.0
NNE	.3	.3	.1									.7	4.2
NE	.3	.1	.1									.5	3.5
ENE	.1			.1								.1	7.3
E	.2	.0	.1	.0								.3	5.1
ESE	.0	.0	.1	.0								.2	8.0
SE	.4	.3	.2	.1	.1							1.1	6.3
SSE	.2	.5	.4	.3	.1							1.5	8.6
S	1.2	.7	.8	.5	.0							3.2	6.3
SSW	.9	1.0	.8	.3								2.9	5.7
SW	1.7	1.1	.3	.1								3.3	4.0
WSW	.8	1.0	.3	.0								2.1	4.5
W	3.3	1.3	.9	.2	.0	.0						5.8	4.2
WNW	.9	1.3	1.6	.6								4.4	6.8
NW	3.9	2.8	3.5	1.6	.3							12.2	6.4
NNW	2.6	2.0	1.3	.3								6.2	4.8
VARBL													
CALM												51.9	
	18.4	13.5	11.0	4.6	.6	.0						100.0	2.7

TOTAL NUMBER OF OBSERVATIONS 2879



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.4	1.5	.6	.3	.1	.1						6.0	4.7
NNE	.6	.2	.1	.0		.0						.9	4.6
NE	.8	.4	.2									1.4	3.6
ENE	.2	.2	.0	.0	.0							.3	3.8
E	1.3	.3	.2	.0	.0							1.9	3.8
ESE	.3	.1	.2									.7	3.4
SE	.8	.7	.5	.5	.1							2.4	6.9
SSE	.2	.6	.6	.3	.1							1.8	8.0
S	1.5	1.0	.9	.5	.2							4.1	6.3
SSW	.9	.9	.8	.3								2.8	6.0
SW	1.1	1.1	.8	.3	.0							3.4	5.8
WSW	.6	.5	.5	.1								1.6	5.2
W	1.5	1.1	.8	.2	.0	.0						3.7	3.0
WNW	.9	.7	1.6	1.1	.1	.1						4.4	8.4
NW	2.5	2.3	4.2	1.6	.1							10.7	7.2
NNW	2.7	2.7	1.7	.6	.0							7.8	3.4
VARBL													
CALM												46.0	
	19.2	14.3	13.6	5.8	.8	.2						100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 2875

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

APR  
MONTH

ALL WEATHER  
CLAS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	1.5	1.4	.4	.1							4.5	6.5
NNE	.3	.6	.2	.2								1.4	5.9
NE	1.2	.3	.3	.0		.1						1.9	4.6
ENE	.6	.6	.2									1.3	4.2
E	2.5	3.4	.9	.2	.0							7.0	4.6
ESE	1.3	4.0	2.3	.1	.0							8.2	5.4
SE	2.6	4.8	5.3	.7	.1							13.4	6.3
SSE	.4	1.3	2.6	1.0	.1	.0						5.3	8.2
S	.7	1.1	1.4	.7	.2	.1						4.3	8.4
SSW	.2	1.0	1.3	.9	.1							3.4	8.6
SW	.5	.9	1.6	.5	.1							3.6	7.8
WSW	.3	.6	1.0	.2								2.1	7.1
W	.5	1.4	2.1	1.1	.1	.1						5.2	5.3
WNW	.2	.9	2.8	1.0	.2	.0						5.2	9.1
NW	1.0	2.4	5.3	2.5	.5		.0					11.7	8.7
NNW	.5	1.4	2.7	.9	.2	.1	.0					5.8	8.7
VARBL												15.3	
CALM													
	14.4	26.2	31.2	10.4	1.8	.4	.1					100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 2880

DATA PROCESSING DIVISION  
MAC/USAF  
WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.6	.7	.5	.2							2.2	6.7
NNE	.1	.2	.5	.2	.0							1.0	8.3
NE	.2	.1	.1	.1	.2							.8	8.8
ENE	.2	.3	.1									.6	4.7
E	.9	2.3	1.1	.2								4.5	5.5
ESE	1.0	3.6	2.6	.4								7.6	6.2
SE	1.6	5.3	12.3	1.8	.1							21.0	7.6
SSE	.4	1.2	4.1	1.7	.1							7.5	8.8
S	.3	.7	1.6	1.6	.2	.0						3.9	9.0
SSW	.1	.5	1.8	1.3	.1							3.7	10.0
SW	.2	.7	2.9	1.6	.2	.1	.0					5.7	10.2
WSW	.0	.5	1.9	.9								3.3	9.3
W	.1	.8	3.7	2.7	.6	.0						8.0	10.8
WNW	.3	.8	2.6	4.2	.8	.1						9.9	11.2
NW	.3	1.6	5.7	3.2	.4	.1						11.5	9.7
NNW	.2	.5	2.4	1.8	.1	.0	.1					5.1	10.6
VARBL													
CALM												3.6	
	3.4	15.7	45.2	21.6	3.0	.5	.1					100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 2879

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.2	1.3	.6	.0							3.5	7.7
NNE	.2	.2	.6	.2	.0							1.3	8.3
NE	.2	.3	.3	.1	.1	.0						1.0	8.3
ENE	.1	.2	.2	.2								.8	7.7
E	.8	1.0	.6	.0								2.4	4.8
ESE	.7	1.4	.7	.1								2.0	5.5
SE	.9	2.3	3.2	.3								6.7	6.6
SSE	.2	.8	1.1	.5	.1							2.8	7.9
S	.5	.5	.8	.7	.1	.1						2.6	8.6
SSW	.1	.3	1.7	1.3	.1	.0						3.4	10.1
SW	.2	1.2	3.7	1.7	.1	.0						6.9	9.2
WSW	.1	.5	2.5	1.1		.1						4.2	9.5
W	.3	1.1	3.9	3.6	.7	.1						9.7	10.6
WNW	.1	1.0	5.5	5.6	1.4	.2						14.0	11.5
NW	.7	2.8	12.6	7.0	1.0	.1						24.1	10.0
NNW	.3	.9	5.5	3.0	.2		.1					10.1	10.0
VARBL													
CALM												3.5	
	5.8	15.7	44.5	26.0	3.8	.7	.1					100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 2878

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	2.0	1.2	.4	.0							5.0	5.9
NNE	.3	.7	.5	.1								1.6	5.6
NE	.5	.7	.3	.0	.1							1.6	5.7
ENE	.2	.3	.2		.0							.7	5.7
E	.9	.8	.2	.1								2.0	4.4
ESE	.5	.3	.1									.9	3.7
SE	1.3	.7	.4	.2								2.6	4.9
SSE	.5	.3	.2									1.0	4.1
S	1.3	1.1	.5	.4	.1							3.4	5.7
SSW	.7	1.1	1.1	.8	.1							3.8	7.6
SW	1.4	1.6	2.4	.5	.0							6.0	6.4
WSW	.3	1.1	1.5	.3								3.2	7.0
W	1.9	2.5	2.9	1.1	.2	.1						8.8	7.2
WNW	.8	2.5	5.1	4.2	.7	.1						13.3	9.6
NW	2.5	5.4	8.2	3.3	.5	.1						19.9	7.9
NNW	.7	2.6	4.3	1.4	.1							9.0	7.9
VARBL													
CALM												17.1	
	15.2	23.7	29.2	12.7	1.8	.2						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 2877

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23211 HAMILTON AFB CALIF/SAN RAFAEL 39-70 APR  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
2100-2300  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	1.4	.4	.3	.1							4.3	4.8
NNE	.6	.5	.1									1.1	3.6
NE	.4	.5	.1									1.0	4.2
ENE	.2	.1	.0									.3	4.0
E	.8	.4	.0	.0								1.3	3.4
ESE	.3	.3	.1	.0	.0							.8	4.9
SE	1.0	.4	.1	.1	.0							1.6	4.7
SSE	.2	.2	.3	.2	.1							.9	8.2
S	1.7	1.3	.7	.4								4.1	5.3
SSW	1.3	1.4	.8	.3	.1							3.9	5.8
SW	2.5	1.8	1.4	.2								5.8	4.7
WSW	.3	1.2	.6	.0								2.2	5.8
W	2.5	1.7	2.2	.7	.1							7.2	6.0
WNW	.9	1.5	3.1	1.5	.2							7.1	8.4
NW	2.7	3.2	4.0	2.3	.3	.1						12.6	7.5
NNW	1.7	2.0	1.2	.7								5.6	6.0
VARBL													
CALM												40.2	
	19.2	17.6	15.2	6.7	1.0	.1						100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 2877



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/HAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.R.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	.6	.3	.1	.0							3.5	3.8
NNE	.5	.2	.2	.0	.0							1.0	4.6
NE	.2	.1	.1									.5	4.4
ENE	.1	.1	.0									.3	3.6
E	.6	.0	.1									.7	3.0
ESE	.2	.3	.0									.5	4.1
SE	.9	.1	.1	.0								1.1	3.2
SSE	.1	.1	.0									.3	4.2
S	2.0	1.1	.5	.2	.0							3.8	4.4
SSW	1.5	1.8	.5	.1	.0							3.9	4.4
SW	2.1	2.3	1.3	.2								5.9	5.0
WSW	.6	1.3	.9	.1	.0							3.0	5.9
W	2.8	2.0	1.8	.4								6.9	5.1
WNW	.6	1.3	1.7	.8								4.5	7.5
NW	3.2	2.4	2.8	.6	.0							9.0	5.7
NNW	2.7	1.9	1.4	.3								6.3	4.9
VARBL													
CALM												48.8	
	20.7	15.8	11.7	2.8	.2							100.0	2.6

TOTAL NUMBER OF OBSERVATIONS 2974

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 15	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	.6	.2	.1		.0						2.8	4.0
NNE	.3	.2		.1								.6	4.1
NE	.4	.2	.1									.7	3.5
ENE		.2	.0									.2	5.3
E	.4	.2	.1	.0								.6	3.9
ESE		.1	.1									.2	6.3
SE	.4	.1	.1									.6	3.7
SSE	.1	.1	.2									.4	6.1
S	1.8	.9	.9	.1								3.7	4.6
SSW	1.6	1.8	.5	.1	.0							4.0	4.6
SW	3.0	2.9	1.2	.1								7.2	4.4
WSW	.7	1.1	.5	.1	.1							2.6	5.8
W	.7	1.8	1.4	.2								7.1	4.3
WNW	.8	1.0	1.2	.6	.0							3.6	7.0
NW	2.8	2.3	2.7	.6								8.3	5.7
NNW	2.6	2.3	1.1	.3								6.3	4.8
VARBL													
CALM												51.2	
	20.4	15.7	10.3	2.2	.2	.0						100.0	2.4

TOTAL NUMBER OF OBSERVATIONS 2973

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	.9	.8	.2	.1							4.8	4.4
NNE	.6	.3	.1									1.0	3.6
NE	1.2	.6										1.8	3.1
ENE	.3	.3	.0									.6	3.9
E	1.0	.6	.3	.0								2.7	3.6
ESE	.5	.4	.1									1.0	4.0
SE	1.4	1.3	.2	.1								3.0	4.3
SSE	.3	.4	.3	.1								1.1	5.6
S	1.3	1.3	1.1	.4	.0							4.2	5.2
SSW	1.3	1.8	.9	.2								4.2	5.2
SW	2.3	2.8	2.3	.1								7.5	5.4
WSW	.5	1.2	.6	.1								2.5	5.6
W	1.3	1.1	1.7	.3								4.4	6.2
WNW	.7	1.0	1.7	.8	.1							4.2	7.7
NW	2.3	2.6	3.9	1.0	.0							9.8	6.8
NNW	2.0	1.3	1.7	.6	.1							5.6	6.1
VARBL													
CALM												41.4	
	20.5	17.9	15.9	3.9	.4							100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 2974

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/HAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION 23211 HAMILTON AFB CALIF/SAN RAFAEL 39-70 MAY  
STATION NAME YEARS NORTH  
ALL WEATHER 0900-1100  
CLASS HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.8	1.0	.3	.1	.1						3.0	7.0
NNE	.3	.4	.5	.1		.0						1.3	6.8
NE	.5	.3	.3									1.3	4.7
ENE	.2	.4	.1									.6	4.7
E	1.6	2.4	.7	.1								4.9	4.5
ESE	1.5	4.7	3.3	.4								9.9	6.0
SE	1.0	5.9	11.3	2.6	.1							21.7	7.6
SSE	.3	1.5	3.3	1.5								6.6	8.7
S	.4	1.0	2.5	.5	.1							4.6	8.0
SSW	.3	.9	1.9	.6	.1							3.7	8.0
SW	.6	1.1	3.0	.6	.2							5.5	8.0
WSW	.2	.5	1.1	.5	.1							2.5	8.4
W	.6	1.5	3.1	1.8	.0							7.1	8.4
WNW	.2	.9	3.5	1.0	.2							5.8	9.1
NW	.7	2.2	4.6	2.0	.1							9.6	8.2
NNW	.4	.8	2.8	.9	.0							4.9	8.4
VARBL													
CALM												6.8	
	10.6	25.7	43.0	13.0	.9	.1						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 2973

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.4	1.1	.6	.0							2.3	8.7
NNE	.1	.1	.2	.2	.0							.7	8.8
NE	.1	.3	.3	.1	.1							.9	7.7
ENE	.1	.1	.2	.1								.4	6.4
E	.6	.9	.7	.0	.0							2.3	5.8
ESE	.5	1.9	2.9	.3	.0	.0						5.7	7.1
SE	.7	3.1	12.3	5.7	.2							21.9	9.2
SSE	.1	.8	3.4	3.6	.1							8.0	10.3
S	.2	.5	2.1	.7	.1							3.6	8.9
SSW	.1	.4	1.9	1.4	.1							3.9	9.9
SW	.2	.9	3.6	1.9	.1							6.4	8.8
WSW	.0	.5	1.7	1.3	.2	.1						3.9	10.3
W	.2	1.1	4.1	3.5	.8	.0	.0					9.7	10.7
WNW	.2	.8	4.1	3.7	.5	.0						9.4	10.7
NW	.3	1.9	6.7	4.4	.4							13.7	9.8
NNW	.2	.6	1.9	2.2	.5	.1						5.4	10.9
VARBL													
CALM												1.6	
	3.8	14.0	47.3	29.7	3.2	.2	.0					100.0	9.5

TOTAL NUMBER OF OBSERVATIONS

2975

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.5	1.8	.9	.1							3.6	8.9
NNE	.0	.1	.3	.1								.5	8.3
NE	.2	.1	.4	.2								.9	7.4
ENE	.1	.2	.3	.1								.6	6.5
E	.4	.7	.6		.0							1.6	5.7
ESE	.6	1.2	.8	.1	.0							2.8	5.7
SE	.2	1.7	3.5	.8								6.1	8.0
SSE	.1	.5	1.0	.4	.0							2.1	8.4
S	.1	.3	.9	.4	.1							1.9	9.2
SSW	.0	.3	1.2	.9	.1							2.6	10.0
SW	.2	1.0	4.4	2.2	.2							9.0	9.5
WSW	.0	.6	2.7	1.8	.2							5.3	10.2
W	.4	.9	4.8	3.5	.8	.1						10.3	10.6
WNW	.2	.7	3.0	6.2	.9	.2						13.2	11.7
NW	.2	1.6	14.8	10.2	.9	.1						27.9	10.5
NNW	.1	1.0	5.4	4.6	.2							11.4	10.2
VARBL													
CALM												1.1	
	3.3	11.4	47.8	32.3	3.6	.4						100.0	9.9

TOTAL NUMBER OF OBSERVATIONS

2975

USAFETAC

FORM  
JUL 64

08-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.8	1.6	.2	.1							5.1	6.1
NNE	.5	.7	.7									1.9	5.4
NE	.8	.5	.4									1.8	4.4
ENE	.4	.3	.3									1.0	5.0
E	1.3	.9	.4	.0								2.6	4.2
ESE	.5	.6	.3	.0								1.5	4.9
SE	1.1	1.4	.7									3.2	4.8
SSE	.4	.3	.2	.0								1.0	4.7
S	1.1	1.4	.8	.2								3.5	5.4
SSW	.5	1.6	1.0	.2								3.3	6.2
SW	1.3	1.8	2.3	.6	.1							6.1	6.8
WSW	.3	1.4	2.6	.5								4.8	7.7
W	1.1	1.6	3.9	1.6	.3							8.6	8.3
WNW	.9	2.3	4.3	3.3	1.0	.2						12.0	9.8
NW	2.2	4.6	10.8	3.4	.2							21.3	8.0
NNW	.8	3.1	5.3	1.4	.1							10.8	7.8
VARBL													
CALM												11.6	
	14.8	24.4	35.7	11.6	1.8	.2						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 2976

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.0	1.6	1.0	.1	.0							5.7	4.3
NNE	.9	.6	.2	.0								1.8	4.0
NE	.8	.5	.1									1.4	3.5
ENE	.1	.4	.2									.7	4.9
E	1.3	.5	.2									2.0	3.5
ESE	.3	.3	.1									.7	3.9
SE	1.8	.5	.2	.0								2.5	3.3
SSE	.6	.5	.0	.0								1.1	3.9
S	2.3	1.4	.8	.1	.0							4.6	4.6
SSW	1.1	2.6	1.0	.2	.0							5.0	5.6
SW	2.4	2.4	1.5	.2								7.0	5.1
WSW	.7	1.8	.9	.2								3.5	5.8
W	2.3	2.1	1.5	.8	.1	.0						6.8	5.9
WNW	.8	1.4	2.5	1.2	.0	.0						6.1	8.1
NW	2.3	2.7	3.1	1.1	.0							9.2	6.6
NNW	1.7	1.8	1.2	.4	.1							5.2	5.9
VARBL													
CALM												36.8	
	22.4	21.4	14.6	4.5	.3	.1						100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 2970

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-40, 42-70  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	1.0	.4	.0								3.8	3.5
NNE	.6	.3	.1									1.0	3.6
NE	.4	.2	.2									.8	4.3
ENE	.2	.3	.0									.5	4.4
E	.7	.2	.1									1.0	3.4
ESE	.2	.2	.1									.5	4.8
SE	.9	.3	.1	.1								1.4	3.7
SSE	.3	.3	.1	.0								.8	4.5
S	1.7	1.1	.4	.0								3.2	3.9
SSW	1.7	2.3	.6									4.6	4.2
SW	2.4	2.2	.7									5.3	4.2
WSW	.9	1.4	.6									3.0	4.8
W	2.2	1.6	1.8	.2	.0							5.8	5.2
WNW	.9	1.7	1.5	.5								4.5	6.6
NW	3.2	3.0	2.0	.6								8.8	5.4
NNW	2.0	1.2	.9	.2								4.3	4.8
VARBL													
CALM												50.5	
	20.6	17.5	9.7	1.7	.0							100.0	2.3

TOTAL NUMBER OF OBSERVATIONS 2786

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-40,42-70  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	.7	.3									3.0	3.4
NNE	.3	.2		.1								.5	4.7
NE	.4	.3										.7	3.2
ENE	.1	.2										.3	3.2
E	.6	.2	.0									.8	2.9
ESE	.1	.1										.2	3.3
SE	.7	.3	.1	.1								1.1	4.0
SSE	.1	.2	.1									.5	5.1
S	1.6	.7	.2	.1								2.6	3.6
SSW	1.8	1.7	.3									3.7	3.7
SW	2.6	2.5	.9									6.1	4.3
WSW	1.0	1.7	.8	.1								3.5	4.9
W	2.8	1.8	1.2	.3								6.0	4.7
WNW	1.1	1.1	1.2	.3	.0							3.7	5.9
NW	3.7	2.4	1.7	.5								8.3	4.8
NNW	2.9	1.1	.6	.1								4.7	3.0
VARBL													
CALM												54.1	
	21.9	15.1	7.5	1.4	.0							100.0	2.0

TOTAL NUMBER OF OBSERVATIONS 2787

3  
DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-40,42-70  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	2.5	1.0	.6	.1	.0							4.2	4.1
NNE	.4	.3	.1	.0								.9	4.4
NE	1.1	.4	.1		.1							1.6	3.8
ENE	.4	.3	.0									.7	3.8
E	1.9	.8	.1									2.7	3.3
ESE	.9	.6	.4									1.9	4.2
SE	1.8	1.3	.6	.0	.0							3.8	4.3
SSE	.7	.7	.6	.0	.0							2.3	5.3
S	1.5	1.4	.9	.2	.0							3.9	5.1
SSW	1.6	1.8	1.0	.1								4.5	4.9
SW	2.2	2.4	1.1	.1								5.8	4.7
WSW	.8	1.1	.8	.1	.1							2.9	5.8
W	1.4	1.4	1.4	.5								4.7	6.1
WNW	.6	1.3	2.0	.5								4.4	7.1
NW	1.6	2.8	3.1	.8								6.2	6.5
NNW	1.8	1.4	1.4	.4	.1	.0						5.1	5.9
VARBL													
CALM												42.3	
	21.1	19.0	14.2	2.9	.4	.0						100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 2789

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23211  
STATION

HAMILTON AFB CALIF, AN RAFAEL  
STATION NAME

39-40, 42-70  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	.4	.6	.1	.1							1.9	5.9
NNE	.1	.3	.3	.1	.1	.0						.9	9.2
NE	.3	.2	.1	.0	.1							.8	6.2
ENE	.2	.3	.4	.1								1.0	6.4
E	1.2	2.3	1.3	.2								5.0	5.5
ESE	1.8	4.4	3.8	.8	.1							10.9	6.4
SE	1.8	6.3	13.9	5.1	.1	.0						27.2	8.2
SSE	.5	1.8	5.3	2.6	.0							10.2	8.8
S	.6	.8	1.9	1.0	.1							4.3	8.2
SSW	.4	.9	1.2	.5	.1							3.0	7.7
SW	.7	1.2	1.8	.4	.1							4.2	7.1
WSW	.4	1.1	.8	.2								2.4	6.3
W	.9	1.4	2.2	1.2	.1	.0						5.4	8.6
WNW	.4	1.1	3.2	1.0	.1							5.8	8.7
NW	.5	1.0	3.8	1.8	.1							7.4	9.0
NNW	.3	.7	1.6	.7	.1	.0						3.4	8.8
VARBL													
CALM												6.1	
	10.4	24.2	42.1	15.7	1.2	.1						100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 2789



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-40,42-70  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.2	.9	.9	.1							2.2	10.0
NNE	.1	.0	.3	.2	.0							.6	9.6
NE		.0	.4	.0	.0							.5	9.3
ENE		.0	.0	.1								.1	10.3
E	.1	.3	.6	.3								1.3	8.5
ESE	.3	1.3	2.9	1.2	.2							5.8	8.8
SE	.3	1.8	15.5	10.6	.3	.0						28.5	10.1
SSE	.1	.6	5.7	4.3	.1							10.8	10.3
S	.2	.3	1.6	1.5	.2							3.9	10.5
SSW	.0	.5	1.5	1.1	.2							3.3	10.1
SW	.2	.9	2.8	1.3	.1							5.5	9.3
WSW	.1	.6	1.8	1.0		.0						3.5	9.4
W	.1	1.3	2.8	2.2	.8	.0						7.1	10.4
WNW	.1	.6	4.1	3.5	.3	.2	.0					8.9	10.9
NW	.2	.8	6.0	4.2	.4							11.4	10.3
NNW	.2	.6	2.1	2.4	.3	.0						5.6	10.6
VARBL													
CALM												.8	
	2.2	9.8	48.9	33.0	2.9	.2	.0					100.0	10.0

TOTAL NUMBER OF OBSERVATIONS 2789

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-40,42-70  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.7	2.0	1.5	.0							4.4	9.5
NNE	.0	.1	.6	.2	.0	.0						1.0	9.7
NE	.1	.2	.3	.1								.8	7.3
ENE		.1	.3	.1								.5	8.6
E	.3	.9	.9	.1								2.2	6.6
ESE	.2	1.0	1.8	.2								3.2	7.0
SE	.1	1.4	6.3	2.3								10.4	9.0
SSE	.0	.4	1.4	.9								2.7	9.2
S	.0	.3	1.2	.4								1.9	8.9
SSW	.1	.4	1.5	1.1	.0							3.1	9.7
SW	.1	.7	4.2	1.4	.1							6.5	9.4
WSW	.1	.5	2.3	.8	.1							3.8	9.1
W	.3	.8	3.0	2.8	.5	.1						7.5	10.6
WNW	.3	.8	5.4	6.1	1.0	.2						13.7	11.5
NW	.3	1.4	14.5	9.3	.4	.1						26.0	10.4
NNW	.1	.4	5.7	4.8	.5							11.5	11.0
VARBL													
CALM												.3	
	2.3	10.2	51.5	32.1	2.8	.4						100.0	9.9

TOTAL NUMBER OF OBSERVATIONS

2784

3

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

27211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-40,42-70  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.1	2.0	.2								5.7	5.8
NNE	.6	.7	.7	.2								2.2	6.1
NE	.6	1.1	.8									2.6	5.4
ENE	.3	.7	.4	.0								1.4	5.2
E	1.1	1.5	.6									3.3	4.7
ESE	.7	1.3	.6	.1								2.7	5.3
SE	1.5	2.1	2.0	.1								5.8	5.5
SSE	.8	.7	.5									1.9	4.9
S	1.0	1.8	.6	.2								3.6	5.0
SSW	.8	1.3	1.0	.1								3.3	5.7
SW	1.0	1.3	2.5	.3								5.1	6.7
WSW	.4	1.3	1.8	.3								3.7	7.0
W	.5	1.1	2.8	1.1	.1							5.5	8.2
WNW	.8	2.0	4.3	3.7	.5	.0						11.3	9.5
NW	1.7	4.4	11.9	4.5	.3	.0						22.9	8.3
NNW	.7	2.9	4.8	1.5	.2							10.1	8.1
VARBL													
CALM												9.1	
	13.8	26.3	37.4	12.3	1.0	.1						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

2787

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-40,42-70  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.2	2.3	.0	.1								7.3	3.8
NNE	1.0	.9	.3									2.2	4.1
NE	1.4	.6	.4	.1								2.4	4.2
ENE	.6	.3	.1									1.0	4.0
E	1.4	.0	.3									2.4	3.8
ESE	.3	.8	.4									1.5	5.3
SE	1.1	1.1	.4	.0								2.7	4.2
SSE	.6	.6	.1									1.4	4.0
S	1.9	1.9	.3	.1								4.2	4.0
SSW	1.9	2.5	.8									5.2	4.5
SW	1.7	2.4	1.2	.1								5.4	5.1
WSW	.6	1.2	.8									2.6	5.3
W	1.8	1.6	1.6	.5	.0							5.7	5.9
WNW	.7	1.6	1.9	.9	.1							5.3	7.6
NW	1.9	3.0	3.5	1.2	.0							9.7	6.8
NNW	1.8	2.3	1.5	.6								6.1	5.8
VARBL													
CALM												35.0	
	22.9	24.0	14.4	3.6	.2							100.0	3.4

TOTAL NUMBER OF OBSERVATIONS

2789

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.9	1.9	.5									7.3	3.3
NNE	.4	.2	.0	.0								.7	4.0
NE	.5	.4	.2									1.0	4.1
ENE	.1	.1										.2	3.3
E	.4	.4	.1									.9	3.8
ESE	.1	.1										.3	3.5
SE	.8	.3	.1									1.2	3.1
SSE	.2	.2	.0									.5	3.7
S	1.0	1.4	.3									3.5	3.7
SSW	1.6	1.7	.4									3.7	4.1
SW	2.0	1.5	.4									4.0	3.7
WSW	.6	.3	.3									1.2	4.7
W	2.1	.6	.3									3.0	3.1
WNW	1.0	.6	.3									1.9	4.0
NW	4.4	2.1	1.0	.0								7.6	3.7
NNW	4.9	2.1	.6	.0								7.6	3.5
VARBL													
CALM												55.2	
	26.0	14.1	4.5	.1								100.0	1.6

TOTAL NUMBER OF OBSERVATIONS 2974

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	1.1	.4									4.3	3.4
NNE	.3	.1										.4	3.1
NE	.3	.3	.0									.7	3.6
ENE	.2	.1	.0									.3	4.3
E	.4	.3										.6	2.9
ESE	.1	.1	.0									.2	3.7
SE	.6	.3	.0									1.0	3.4
SSE	.3	.1										.3	2.9
S	1.3	.8	.2									2.3	3.8
SSW	1.6	1.7	.6	.0								4.0	4.3
SW	3.3	1.7	.8	.1								5.9	4.0
WSW	.7	.9	.2									1.8	4.3
W	3.1	1.0	.3									4.4	3.1
WNW	.6	.8	.2	.1								1.7	4.3
NW	5.1	2.1	.4	.0								7.6	3.3
NNW	4.3	2.0	.4	.0								6.8	3.4
VARBL													
CALM												57.5	
	24.9	13.6	3.7	.2								100.0	1.5

TOTAL NUMBER OF OBSERVATIONS 2972



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

JUL  
MONTH

0600-0800  
HOURS (L.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.1	1.4	.4									6.9	3.1
NNE	.4	.6	.1									1.0	4.2
NE	1.6	.4	.3									2.3	3.4
ENE	.2	.3										.6	3.6
E	2.4	.6	.2									3.3	3.1
ESE	1.1	.7	.3									2.1	3.9
SE	2.1	1.4	.8	.0								4.4	4.3
SSE	.6	.3	.4	.0								1.4	4.9
S	1.8	1.2	.5									3.5	4.2
SSW	1.3	1.5	.6									3.5	4.5
SW	2.2	1.9	1.2									5.3	4.5
WSW	.9	.8	.3	.1								2.1	4.5
W	1.3	.7	.6	.1								2.8	4.9
WNW	.6	.7	.4	.2								1.9	5.7
NW	3.1	1.8	.8	.1								5.8	4.1
NNW	3.0	1.6	.5									5.1	3.6
VARBL													
CALM												48.2	
	27.8	16.1	7.4	.5								100.0	2.1

TOTAL NUMBER OF OBSERVATIONS 2970

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23211 HAMILTON AFB CALIF/SAN RAFAEL 39-70 JUL  
STATION NAME YEARS MONTH  
ALL WEATHER CLASS  
CONDITION

0900-1100  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.7	.8	.2								2.1	6.4
NNE	.3	.2	.1	.0								.6	5.0
NE	.7	.5	.3									1.5	4.2
ENE	.4	.3	.2	.0								1.0	4.8
E	2.5	3.2	2.5	.4	.0							8.5	5.6
ESE	2.3	5.3	3.3	1.0	.0							13.9	6.4
SE	2.3	6.5	19.0	6.4	.1							34.4	8.4
SSE	.7	2.4	5.7	2.7	.1							11.6	8.6
S	.5	.5	2.0	.5								3.5	7.8
SSW	.3	.3	.7	.1								1.5	7.0
SW	.5	.8	.6			.0						2.1	6.3
WSW	.2	.1	.4									.9	7.3
W	.3	.5	1.0	.1								2.0	7.1
WNW	.2	.3	1.1	.4								2.1	8.3
NW	.3	.8	2.5	.6	.0							4.2	8.4
NNW	.3	.7	1.0	.1								2.1	6.6
VARBL													
CALM												8.0	
	12.4	23.2	43.2	12.8	.3	.0						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 2974

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.R.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.3	1.0	.3								1.6	9.0
NNE	.1	.1	.1	.0								.4	6.3
NE	.1		.1	.1	.0							.3	8.5
ENE	.0											.0	2.0
E	.2	.3	1.1	.6								2.2	9.0
ESE	.2	1.1	4.0	2.0	.1							7.4	9.4
SE	.4	2.3	21.0	18.1	.5	.0						42.3	10.6
SSE	.2	.7	7.8	7.7	.2							16.5	10.7
S	.0	.4	2.6	1.1	.1							4.3	9.9
SSW	.1	.1	1.0	.4	.0							1.5	9.7
SW	.0	.3	1.2	.8								2.4	9.7
WSW		.1	.9	.3								1.3	9.6
W	.1	.5	1.3	.6	.1							2.5	9.2
WNW	.1	.4	1.7	.9	.0							3.1	9.5
NW	.0	.4	5.3	3.7	.1							9.6	10.5
NNW		.2	1.9	1.8	.0							4.0	10.8
VARBL													
CALM												.7	
	1.6	7.2	51.1	38.3	1.2	.0						100.0	10.2

TOTAL NUMBER OF OBSERVATIONS

2976

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEAR

JUL  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (K/HTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.4	2.4	.9	.1							3.9	9.2
NNE	.1	.2	.6	.1								.9	7.4
NE	.1	.3	.5	.1								1.0	7.3
ENE	.0	.3	.1									.4	5.6
E	.4	.9	1.8	.2								3.4	7.1
ESE	.5	1.7	3.7	.9	.0							7.0	7.9
SE	.3	3.4	15.2	6.0								24.9	9.2
SSE	.2	.6	4.4	1.8								7.0	9.4
S	.1	.4	1.0	.4								1.9	8.3
SSW	.1	.4	1.0	.4	.0							1.9	8.9
SW	.1	.4	1.8	.6								3.0	9.1
WSW	.0	.1	.9	.5								1.6	9.7
W	.1	.4	1.6	.4	.0							2.3	9.0
WNW	.0	.4	3.0	2.3	.2							5.9	10.3
NW	.1	1.7	12.6	8.8	.4							23.6	10.3
NNW	.2	.6	5.3	4.0	.1							10.2	10.3
VARBL													
CALM												.9	
	2.5	12.4	55.9	27.4	.9							100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 2976

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	3.5	3.8	.3								9.8	6.0
NNE	1.0	2.0	1.3	.1								4.4	5.3
NE	1.2	2.0	1.4	.1								4.6	5.4
ENE	.5	1.1	.4									1.9	4.8
E	1.6	2.3	1.1									4.9	4.8
ESE	1.2	2.4	1.4									5.0	5.1
SE	1.0	3.3	4.0	.3								9.6	6.1
SSE	.6	1.0	.8	.1								2.5	5.8
S	1.1	1.3	.4									2.8	4.4
SSW	.2	.7	.3	.0								1.3	5.6
SW	.6	.4	.9	.1								2.0	6.2
WSW	.2	.3	.3	.1	.0							.9	6.6
W	.7	.9	.9	.3	.0							2.9	6.2
WNW	.4	1.5	3.0	.7	.0							5.7	7.9
NW	2.2	4.3	10.8	2.9								20.1	7.8
NNW	1.0	3.5	6.4	1.1								12.1	7.4
VARBL													
CALM												9.5	
	16.3	30.6	37.2	6.1	.1							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

2972

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	8.3	5.4	1.8	.1								15.6	3.9
NNE	2.2	1.5	.5									4.3	4.1
NE	1.5	1.0	.4									2.9	3.9
ENE	.6	.3	.1									1.0	3.7
E	2.0	.9	.2									3.1	3.4
ESE	.6	.7	.2									1.5	4.3
SE	1.5	1.2	.3									3.0	4.0
SSE	.7	.6	.1									1.4	3.8
S	1.8	1.6	.4									3.8	3.9
SSW	.7	1.3	.5	.0								2.5	4.9
SW	1.1	1.0	.5									2.7	4.2
WSW	.3	.2	.1	.0								.7	4.5
W	1.5	.5	.5	.1								2.6	4.2
WNW	.5	.4	.4	.1								1.4	3.7
NW	3.4	3.1	1.9	.1								8.5	4.6
NNW	2.9	3.7	1.5	.0								7.8	4.5
VARBL													
CALM												37.2	
	29.6	23.4	9.3	.5								100.0	2.6

TOTAL NUMBER OF OBSERVATIONS 2973



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.4	1.7	.4	.0								6.6	3.3
NNE	.9	.4	.0									1.3	3.2
NE	.4	.3	.0									.8	3.3
ENE	.2	.1										.2	2.9
E	.8	.2	.1									1.0	2.9
ESE	.2	.1										.4	3.5
SE	.6	.4	.2									1.1	3.7
SSE	.3	.2	.1									.5	3.7
S	1.5	1.1	.1									2.6	3.4
SSW	1.1	2.0	.5	.1								3.7	4.8
SW	2.4	1.9	.8	.1								5.1	4.2
WSW	.9	.5	.3									1.7	4.3
W	2.3	.9	.3	.0								4.5	3.0
WNW	.6	.6	.4	.1								1.7	5.4
NW	2.6	2.2	.7	.1	.0							6.6	3.8
NNW	4.3	2.1	.3	.1								6.8	3.3
VARBL													
CALM												55.1	
	25.5	14.6	4.2	.6	.0							100.0	1.7

TOTAL NUMBER OF OBSERVATIONS 2976

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.3	.8	.2									5.3	2.8
NNE	.4	.1	.0									.5	3.2
NE	.5	.2										.7	2.8
ENE	.1	.0	.0									.2	4.4
E	.7	.1	.0									.8	2.8
ESE	.1	.2										.3	3.8
SE	.4	.2	.1									.7	3.4
SSE	.1	.1										.1	3.5
S	1.1	1.0	.1	.0								2.2	3.0
SSW	1.2	1.3	.5	.1								3.2	4.6
SW	3.3	1.9	.5	.1								5.8	3.7
WSW	1.2	1.0	.2									2.4	3.9
W	3.7	.9	.3	.1								5.0	3.1
WNW	.7	1.2	.2	.1	.1							2.2	4.9
NW	4.8	1.7	.5									7.0	3.3
NNW	4.3	1.7	.4									6.5	3.4
VARBL													
CALM												57.2	
	26.7	12.6	3.1	.3	.1							100.0	1.5

TOTAL NUMBER OF OBSERVATIONS

2976

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23211 HAMILTON AFB CALIF/SAN RAFAEL 39-70 AUG  
STATION NAME YEARS MONTH  
0600-0800  
HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.5	.8	.3	.0								5.6	3.0
NNE	.6	.3	.1									.9	3.3
NE	1.1	.4	.0									1.5	3.0
ENE	.3	.1										.4	3.0
E	2.2	.2	.2									2.6	2.9
ESE	.8	.3	.1									1.1	3.3
SE	1.7	.8	.2	.0								2.8	3.6
SSE	.4	.5	.3									1.3	4.7
S	1.7	.9	.5									3.1	3.9
SSW	1.1	1.6	.8	.0	.0							3.5	5.0
SW	1.9	2.4	1.0	.1								5.4	4.7
WSW	.7	.8	.4									1.9	4.7
W	2.3	.8	.5	.0								3.7	3.8
WNW	.6	.8	.5									1.9	5.0
NW	3.3	2.2	1.0	.2								6.7	4.3
NNW	3.2	1.4	.5	.0								5.2	3.6
VARBL													
CALM												52.3	
	26.2	14.5	6.4	.5	.0							100.0	1.9

TOTAL NUMBER OF OBSERVATIONS 2976

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	.3	.4	.0								1.7	4.4
NNE	.1	.3	.2									.6	5.4
NE	.6	.5	.1	.0								1.2	4.1
ENE	.3	.4	.3									1.0	5.1
E	2.8	3.6	1.8	.1								8.2	4.9
ESE	2.6	5.6	5.4	1.4	.0							15.1	6.5
SE	2.8	8.5	16.7	4.0	.1							32.1	7.7
SSE	.4	2.4	5.7	3.5	.0							12.1	9.0
S	.6	.7	1.2	.3								2.8	6.8
SSW	.3	.5	.6	.3								1.7	7.3
SVV	.3	.3	1.2	.3								2.2	7.9
WSW	.0	.3	.5	.2								1.0	7.9
W	.5	.8	.8	.1								2.1	6.1
WNW	.5	.4	.9	.4	.0							1.7	8.9
NW	.6	.9	2.2	.5		.0						4.2	7.5
NNW	.5	.4	1.0	.3	.0							2.3	7.2
VARBL													
CALM												10.2	
	13.3	25.9	39.0	11.3	.2	.0						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

2976

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23211 HAMILTON AFB CALIF/SAN RAFAEL 39-70 AUG  
STATION STATION NAME YEARS MONTH  
ALL WEATHER CLASS 1200-1400  
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.2	.7	.3	.0							1.3	8.7
NNE	.0		.1	.0								.2	7.8
NE	.1	.0	.0									.1	4.5
ENE			.2									.2	8.2
E	.2	.6	1.2	.2								2.3	7.2
ESE	.3	1.3	4.8	3.7	.1							10.3	10.0
SE	.4	2.7	20.7	16.8	.5							41.1	10.4
SSE	.2	.7	8.5	9.3	.1							18.9	10.8
S	.1	.2	1.3	.9	.0							2.6	9.8
SSW		.1	.9	.8	.1							1.9	10.9
SW	.1	.3	1.2	.8	.2							2.5	10.1
WSW	.0	.1	.4	.3	.0							.9	10.4
W	.1	.2	1.2	.6								2.1	9.6
WNW	.0	.6	1.7	1.3	.1	.0						3.6	10.2
NW	.1	.8	4.1	2.2	.0	.0						7.2	9.8
NNW	.0	.3	1.7	1.7	.2							3.9	11.0
VARBL													
CALM												.7	
	1.8	8.1	48.9	38.9	1.4	.1						100.0	10.2

TOTAL NUMBER OF OBSERVATIONS 2976

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.4	1.5	.6								2.6	8.9
NNE		.1	.2	.1								.4	8.6
NE	.1	.2	.4	.1								.8	7.4
ENE	.0	.2	.3	.0								.6	6.9
E	.5	1.0	1.8	.2								3.5	6.9
ESE	.4	1.8	7.8	1.1								7.1	8.0
SE	.4	2.4	13.5	5.8	.0							22.2	9.3
SSE	.1	.9	4.8	3.0	.0							8.9	9.8
S	.2	.3	.7	.4								1.6	8.5
SSW	.1	.3	.9	.7								2.0	9.9
SW	.1	.2	1.8	1.2	.1							3.4	10.1
WSW		.2	1.0	.3	.0							1.6	9.3
W	.2	.6	1.3	.8	.1							3.0	9.3
WNW		.4	3.6	2.0	.2	.1						6.4	10.7
NW	.3	1.8	12.2	8.3	.2	.0						22.8	10.2
NNW	.0	.8	6.6	4.7	.1							12.2	10.3
VARBL													
CALM												.9	
	2.5	11.7	54.5	29.4	.8	.1						100.0	9.5

TOTAL NUMBER OF OBSERVATIONS

2976



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23211 HAMILTON AFB CALIF/SAN RAFAEL

39-70

AUG

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1800-2000

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	3.4	3.2	.5								9.0	5.9
NNE	.8	1.7	1.3	.1								3.9	3.7
NE	1.0	1.9	1.2	.0								4.1	5.3
ENE	.8	.8	.3									1.9	4.5
E	2.1	2.1	1.2									5.3	4.7
ESE	1.1	2.0	1.0									4.1	5.0
SE	1.5	3.9	2.9	.1								8.7	5.6
SSE	.6	1.6	1.1	.1								3.4	5.7
S	1.2	1.1	.3	.0								2.6	4.4
SSW	.5	1.3	.5	.1								2.4	5.3
SW	.6	1.0	1.1	.3								3.0	6.5
WSW	.2	.3	.5	.0								1.0	6.2
W	.6	1.2	1.2	.2	.0							3.2	6.3
WNW	.4	1.3	2.6	1.0	.3							5.5	8.7
NW	1.9	4.6	11.1	2.0	.1	.0						19.7	7.7
NNW	.9	2.9	5.8	1.1	.0							10.8	7.6
VARBL													
CALM												11.2	
	16.6	31.0	35.2	5.5	.4	.0						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS

2973

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

AUG  
MONTH

2100-2300  
HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	6.1	4.2	1.3									11.6	3.9
NNE	1.8	1.2	.3									3.3	3.7
NE	1.6	1.1	.4									3.1	4.0
ENE	.4	.6	.1									1.0	4.0
E	1.7	1.0	.1									2.8	3.4
ESE	.6	.5	.1									1.2	3.8
SE	1.2	.8	.3									2.3	3.8
SSE	.4	.6	.1									1.1	4.1
S	1.4	1.7	.3									3.5	4.0
SSW	1.0	1.6	.6	.0								3.3	4.9
SW	1.6	1.0	.5	.1								3.3	4.5
WSW	.5	.7	.2									1.2	5.0
W	2.1	.8	.4	.1								3.4	3.7
WNW	.3	.7	.5	.3	.0							1.8	7.2
NW	3.7	3.1	1.6	.3	.0	.0						8.8	4.8
NNW	2.5	3.2	1.1	.0								6.9	4.4
VARBL													
CALM												41.4	
	26.6	22.9	8.2	.8	.1	.0						100.0	2.5

TOTAL NUMBER OF OBSERVATIONS

2975

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/HAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.1	1.1	.2	.0	.0							4.5	3.3
NNE	.3	.3	.0	.0			.1					.8	6.3
NE	.5	.3										.8	3.2
ENE	.2	.2										.3	3.1
E	.3	.1	.1									.4	3.3
ESE	.2	.0										.2	2.3
SE	.3	.1	.1									.7	2.7
SSE	.2	.1										.3	2.3
S	1.3	.5		.0	.1							1.8	3.3
SSW	1.1	.4	.1	.1	.0							1.6	3.9
SW	1.7	1.2	.2									3.1	3.6
WSW	.7	.6	.2									1.5	4.0
W	3.6	1.3	.3	.1								5.2	3.3
WNW	1.0	.9	.9	.1								2.8	5.4
NW	5.3	3.0	1.4	.1								9.8	4.0
NNW	4.0	2.3	.5	.1								6.8	3.6
VAR'L													
CALM												59.2	
	23.9	12.2	4.0	.5	.1		.1					100.0	1.5

TOTAL NUMBER OF OBSERVATIONS

2877

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	.7	.4	.1	.1	.0						4.0	4.0
NNE	.4	.2	.1	.1								.8	5.2
NE	.3	.2	.0									.6	3.6
ENE	.1	.1										.2	3.2
E	.3	.2	.0									.5	3.2
ESE	.1	.0	.1									.2	5.1
SE	.7	.1										.8	2.3
SSE	.1	.0	.0									.2	4.6
S	.9	.3	.1	.1	.1							1.5	4.6
SSW	.7	.5	.0	.1		.0						1.4	4.7
SW	1.8	.5	.2									2.5	3.1
WSW	.8	.7	.1									1.6	4.0
W	4.4	1.0	.3		.0							5.7	3.0
WNW	.9	.9	.7	.1								2.7	5.2
NW	5.1	3.2	1.1	.0								9.6	3.8
NNW	3.7	2.3	.4									6.4	3.6
VARBL													
CALM												61.3	
	24.2	11.1	3.8	.5	.2	.1						100.0	1.5

TOTAL NUMBER OF OBSERVATIONS

2876

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

0600-0800  
MOVES (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	5.2	1.3	.5	.1	.1							7.2	3.3
NNE	.6	.4	.0	.1	.0							1.2	4.3
NE	1.1	.1	.1									1.3	2.6
ENE	.3											.3	1.9
E	1.1	.2										1.3	2.7
ESE	.2	.3										.5	4.0
SE	.9	.3	.5									1.7	4.5
SSE	.2	.3	.2									.6	5.1
S	1.4	.3	.2	.1	.0							2.0	4.1
SSW	.7	.7	.1	.0		.1						1.7	4.9
SW	1.7	.7	.2									2.6	3.5
WSW	.7	.5	.1									1.3	3.7
W	2.3	1.1	.4	.1								3.9	3.6
WNW	1.3	.8	.7	.1								2.9	5.0
NW	3.8	1.9	1.6	.2	.0							7.5	4.5
NNW	3.7	2.0	.5	.1								6.2	3.6
VARBL													
CALM												57.9	
	25.2	10.8	5.1	.8	.2	.1						100.0	1.6

TOTAL NUMBER OF OBSERVATIONS

2877

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23211 HAMILTON AFB CALIF/SAN RAFAEL 39-70 SEP  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	.7	.5	.1	.1	.0						2.4	6.3
NNE	.2	.4	.3	.1								1.0	6.8
NE	.7	.3	.3	.2								1.4	5.4
ENE	.6	.5	.4	.1								1.5	5.3
E	3.9	4.2	2.4	.0								10.5	4.7
ESE	3.4	6.7	4.0	.4								14.5	5.5
SE	4.5	8.8	10.1	1.4								24.7	6.4
SSE	.8	1.9	2.4	.6								5.6	6.8
S	.3	1.1	1.0	.2								2.7	6.5
SSW	.3	.6	.4	.0	.1							1.4	6.6
SW	.6	.9	1.2	.3								2.9	6.6
WSW	.3	.3	.4	.2								1.4	6.8
W	.3	.9	1.0	.4								2.6	7.1
WNW	.2	.9	1.3	.3	.0							2.7	7.9
NW	.9	1.1	2.2	.5								4.6	7.0
NNW	.3	.5	.8	.1								1.8	6.6
VARBL													
CALM												18.2	
	18.2	29.5	28.6	5.0	.3	.0						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 2877



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

SE 3  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.1	.8	.5	.1							1.6	10.1
NNE	.0	.1	.1	.2	.1							.5	10.1
NE	.1	.1	.1	.1								.3	8.0
ENE	.0	.1	.3	.1								.6	8.0
E	.8	1.4	2.3	.2								4.7	6.5
ESE	1.0	4.0	6.5	2.0	.0							13.6	7.8
SE	1.5	5.6	23.3	5.9	.1							36.4	6.5
SSE	.2	2.3	5.6	3.9								11.9	9.2
S	.3	.5	1.2	.6	.1							2.7	8.5
SSW	.1	.1	.6	.3	.1							1.3	9.8
SW	.2	.7	2.3	.9	.0							4.1	8.8
WSW	.1	.4	1.3	.6	.1							2.4	9.4
W	.2	.6	1.7	1.2	.1							3.7	9.5
WNW	.1	.6	2.0	2.0	.1							4.8	10.2
NW	.1	.8	3.9	1.6	.1							6.6	9.4
NNW	.0	.2	1.6	.4	.1							2.3	9.4
VARBL													
CALM												2.6	
	5.0	17.6	53.4	20.4	.9							100.0	8.5

TOTAL NUMBER OF OBSERVATIONS

2877

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.7	1.4	.5	.0							2.7	8.7
NNE	.1	.1	.2	.2								.6	8.6
NE	.2	.2	.3	.0	.0							.9	6.6
ENE	.2	.1	.6	.1	.1							1.1	8.3
E	.6	1.4	1.5	.1								3.6	6.1
ESE	.9	2.1	2.5	.7								6.3	6.8
SE	1.3	4.0	11.6	1.5								18.4	7.6
SSE	.4	1.5	3.6	1.1								6.5	8.0
S	.2	.5	.6	.2								1.7	7.4
SSW	.1	.2	1.1	.3	.1	.1						1.9	9.6
SW	.3	.8	3.0	1.0	.0	.0						5.2	8.7
WSW	.1	.6	1.8	.6	.1							3.2	8.8
W	.2	.8	3.5	1.6	.2							6.3	9.3
WNW	.2	1.4	5.4	3.8	.2							10.9	9.9
NW	.7	1.9	11.1	5.9	.3							20.0	9.6
NNW	.2	.6	4.6	2.4	.0							7.8	9.7
VARBC													
CALM												3.0	
	5.8	16.9	53.0	20.0	1.1	.1						100.0	8.4

TOTAL NUMBER OF OBSERVATIONS

2873

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	2.9	1.8	.3								7.1	5.3
NNE	1.0	1.1	.5	.1								2.7	4.7
NE	1.1	1.2	.7									3.0	4.8
ENE	.7	.7	.2									1.6	4.2
E	1.9	1.6	.5	.0								4.1	4.1
ESE	1.9	1.4	.6									3.5	4.2
SE	2.1	2.2	1.0	.0								5.3	4.6
SSE	.3	.9	.3	.0								1.5	4.9
S	1.0	1.0	.2									2.2	4.0
SSW	.6	.7	.4	.1		.1	.0					1.9	6.1
SW	1.2	1.0	.8	.2								3.3	5.3
WSW	.4	.7	.6		.1							1.8	5.9
W	1.9	1.8	1.7	.3	.0							5.8	5.6
WNW	1.0	2.1	4.0	1.2	.2							8.5	7.8
NW	2.1	5.1	7.6	1.8	.1							16.7	7.2
NNW	1.2	3.5	3.3	.6								8.6	6.5
VARBL													
CALM												22.5	
	20.2	27.9	24.2	4.7	.4	.1	.0					100.0	4.6

TOTAL NUMBER OF OBSERVATIONS

2875

3

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/HAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23211  
STATIONHAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME39-70  
YEARSSEP  
MONTHALL WEATHER  
CLASS2100-2300  
HOURS (L & T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.5	2.5	.8	.0	.1	.1						7.9	4.1
NNE	1.1	.4	.1	.0	.0							1.6	3.7
NIE	1.0	.5	.1									1.6	3.4
ENE	.4	.1	.1									.5	3.7
E	.8	.2	.1									1.1	3.4
ESE	.5	.4	.0									.9	3.5
SE	1.1	.6	.0									1.7	3.1
SSE	.6	.5	.0	.0								1.1	3.8
S	1.7	.8	.1		.0		.0					2.6	3.8
SSW	.9	1.0	.3	.0			.0					2.4	4.8
SW	1.8	1.0	.5	.0								3.3	3.9
WSW	.8	.6	.3									1.7	4.6
W	3.1	1.2	.6	.1								5.0	3.8
WNW	.8	1.2	1.5	.3								3.8	6.4
NW	3.8	2.1	2.5	.3	.1							9.9	5.1
NNW	3.1	2.7	.7	.2								6.8	4.2
VARBL													
CALM												48.1	
	25.8	16.8	7.8	1.1	.2	.1	.1					100.0	2.3

TOTAL NUMBER OF OBSERVATIONS

2876

3

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MACPERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

23211  
STATIONHAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME39-70  
YEARSOCT  
MONTHALL WEATHER  
CLASS0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	.9	.4	.2	.2	.1						3.9	5.5
NNE	.3	.1	.1	.1								.7	6.0
NE	.4	.1										.5	2.4
ENE	.1		.1									.2	4.8
E	.2	.0	.1	.1								.5	5.6
ESE	.2	.1	.3	.0								.6	6.2
SE	.4	.1	.1	.0								.7	4.4
SSE	.1	.1	.2	.1								.7	8.1
S	1.6	.6	1.0	.4	.2							3.8	6.2
SSW	1.3	.6	.5	.3	.1	.1						2.8	5.8
SW	1.5	.8	.6	.1								3.1	4.6
WSW	.1	.4	.1	.2								.8	6.7
W	3.5	.8	.7	.2								5.2	3.8
WNW	1.3	.9	.8	.5	.0							3.7	6.1
NW	3.7	2.4	2.8	.9	.0							9.7	5.6
NNW	2.3	1.5	.7	.3								4.8	4.6
VARBL													
CALM												58.3	
	19.3	9.5	8.6	3.6	.5	.1						100.0	2.2

TOTAL NUMBER OF OBSERVATIONS

2976

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	.8	.5	.5	.2							4.2	5.4
NNE	.4	.2	.1									.7	3.7
NE	.3	.2		.0								.5	3.6
ENE	.1	.1		.0								.2	4.0
E	.4	.1	.2	.0								.7	4.9
ESE	.1	.1	.2	.1								.6	7.1
SE	.4	.5	.3									1.2	5.0
SSE	.1	.2	.3	.0								.7	6.8
S	1.2	.5	.7	.3	.1							2.9	6.6
SSW	.8	.8	.6	.1	.0	.2						2.4	6.8
SW	1.6	.6	.5	.1								2.9	4.6
WSW	.3	.5	.1	.1								1.0	5.5
W	3.3	.5	.5	.1								4.4	3.2
WNW	1.0	.8	1.0	.5								3.3	6.4
NW	3.9	2.4	2.0	.7	.1							8.6	5.3
NNW	2.6	1.5	.8	.4	.0							5.3	4.8
VARBL													
CALM												60.1	
	18.4	9.8	7.8	3.1	.5	.2						100.0	2.1

TOTAL NUMBER OF OBSERVATIONS 2973



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.8	.8	.5	.2	.1	.1	.0	.0				5.6	4.5
NNE	.6	.2	.0	.2	.2							1.1	7.2
NE	.9	.2	.0	.0								1.2	3.5
ENE	.2	.1										.2	3.1
E	.6	.0	.3	.2								1.1	5.4
ESE	.2	.0	.3	.0								.6	6.1
SE	.7	.5	.1	.1								1.4	4.5
SSE	.3	.3	.5	.3								1.4	7.2
S	1.3	.7	.9	.5	.0							3.5	6.1
SSW	.7	.6	.6	.3	.1	.1						2.4	7.5
SW	1.0	.8	.3	.1	.0							2.3	4.8
WSW	.4	.3	.0	.0	.0							.7	4.9
W	2.3	.7	.5	.1	.0	.0						3.6	4.0
WNW	.8	.6	.7	.2	.0							2.3	6.0
NW	4.2	2.4	1.8	.8	.2							9.3	5.3
NNW	3.5	1.5	.7	.6	.2	.0						6.5	5.0
VARBL													
CALM												36.8	
	21.4	9.7	7.3	3.6	.9	.2	.0	.0				100.0	2.3

TOTAL NUMBER OF OBSERVATIONS

2975

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23211

HAMILTON AFB CALIF/SAN RAFAEL

39-70

OCT

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0900-1100

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	.9	.7	.2	.4	.2	.0					4.4	7.2
NNE	.5	.3	.1	.3	.1	.2	.0					1.5	9.8
NE	.9	.3	.4	.2	.1	.1	.0					2.1	7.2
ENE	.5	.4	.3	.1								1.3	5.1
E	5.6	3.5	1.8	.2								11.1	4.3
ESE	3.9	4.3	2.4	.2								10.7	4.8
SE	4.5	6.6	4.7	.4	.1							16.3	5.4
SSE	.5	.9	1.3	.2	.1	.0						3.0	7.2
S	.6	1.0	1.1	.9	.2							3.7	8.2
SSW	.2	.6	.9	.6	.0	.0						2.4	8.9
SW	.5	.6	1.1	.3	.0							2.6	7.1
WSW	.1	.2	.4	.2	.1							.9	9.0
W	.5	.7	1.1	.5								2.8	7.3
WNW	.3	.5	1.1	.4	.1	.0						2.6	8.5
NW	1.0	1.2	2.1	.9	.1							5.4	7.6
NNW	1.1	.9	1.2	.7	.1	.1						4.1	7.8
VARBL													
CALM												25.3	
	22.6	23.0	20.7	6.3	1.4	.6	.1					100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

2970

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.2	.4	.3	.2	.1						1.6	10.8
NNE	.1	.1	.2	.2	.1	.1	.1	.0				.9	14.5
NE	.2	.2	.2	.5	.0	.1						1.3	10.2
ENE	.2	.2	.4	.0	.1							.8	7.4
E	2.0	3.3	2.3	.2								7.9	5.5
ESE	2.6	5.4	5.4	.5								14.0	6.1
SE	4.7	9.6	14.4	1.9	.0							30.8	6.9
SSE	.6	1.6	3.8	.9	.0	.1						7.1	8.1
S	.2	.6	1.5	1.2	.3							3.9	10.0
SSW	.2	.3	1.5	.9	.2							3.2	10.0
SW	.2	.3	2.3	.8	.0							3.7	8.9
WSW	.1	.3	1.1	.2	.2	.0						2.0	9.8
W	.1	.5	2.4	1.4	.1	.0						4.5	9.9
WNW	.3	.8	2.0	1.8	.3	.0						5.2	9.9
NW	.2	.7	2.8	1.4	.1	.0						5.2	9.4
NNW	.1	.4	.7	.4	.1	.1						1.7	9.5
VARBL													
CALM												6.2	
	12.2	24.8	41.5	12.7	1.8	.7	.1	.0				100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 2976

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

1-70  
YEARS

OCT  
MONTH

ALL WEATH  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.1	1.3	.6	.3	.1	.0					3.8	9.1
NNE	.1	.2	.4	.5	.0							1.2	10.1
NE	.1	.4	.5	.2	.0	.0		.0				1.2	8.8
ENE	.2	.1	.2	.0								.6	5.8
E	.8	1.5	.7	.1								3.1	5.2
ESE	1.2	1.9	1.7	.1								4.9	5.6
SE	3.2	5.5	6.0	.3								15.1	5.9
SSE	.6	2.1	2.5	.3	.0							5.5	6.7
S	1.1	.9	1.2	.5	.1	.0						3.9	6.8
SSW	.2	.5	1.6	.9	.1	.1	.0					3.5	9.6
SW	.5	1.2	2.7	.9	.1	.1						5.5	8.3
WSW	.3	.7	1.3	.5	.0							2.9	7.9
W	1.0	1.4	4.0	2.1	.3							8.7	8.9
WNW	.1	1.5	4.9	2.7	.2	.0						9.5	9.4
NW	.8	3.0	9.1	2.8	.2	.0						15.8	8.5
NNW	.2	.7	2.9	.7	.1							4.6	8.4
VARBL													
CALM												10.3	
	10.8	22.9	41.0	13.2	1.4	.4	.1	.0				100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

2970

3  
DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

GCT  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	2.5	.9	.4	.1							6.4	5.1
NNE	.5	1.0	.1	.1								1.7	4.5
NE	.8	.6	.3									1.7	4.1
ENE	.5	.3	.1									.8	3.8
E	.9	.5	.2									1.6	3.9
ESE	.7	.3	.1	.0								1.1	4.0
SE	1.7	1.4	.5									3.6	4.1
SSE	.3	.2	.1	.0								.6	4.7
S	1.3	1.3	.6	.5		.1						3.8	5.9
SSW	1.0	.8	.9	.3	.1							3.3	6.3
SW	1.6	2.0	1.1	.3	.1							5.1	5.7
WSW	.3	.6	.4	.2								1.7	5.7
W	2.4	2.0	1.8	.4	.0							6.6	5.5
WNW	1.3	1.6	2.4	1.1	.2							6.6	7.5
NW	3.5	5.1	5.1	1.4	.1							15.2	6.5
NNW	1.9	2.4	2.0	.3	.1							6.7	5.7
VARBL													
CALM												33.6	
	21.3	22.4	16.8	4.9	.8	.1						100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 2974

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

22211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

DCT  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	1.4	.4	.2								4.8	3.9
NNE	.5	.3	.1	.1	.1							1.0	5.1
NE	.5	.1	.1		.0							.8	4.0
ENE	.2	.1	.0									.3	3.2
E	.6	.2	.0									.8	2.9
ESE	.3	.1	.0									.5	3.4
SE	.4	.4	.1									.9	3.8
SSE	.3	.2	.3	.1								.9	6.1
S	1.7	.7	.9	.3								3.6	5.2
SSW	.7	.7	.8	.1	.1							2.4	6.1
SW	1.4	1.1	.7	.2	.1							3.5	5.3
WSW	.5	.6	.3	.1								1.6	5.5
W	2.4	.9	.6	.2								4.1	4.1
WNW	.6	.8	1.7	.3	.1	.0						3.5	7.6
NW	4.3	2.8	3.1	1.6								11.9	5.9
NNW	1.8	2.0	.6	.3								4.7	4.8
VARBL													
CALM												54.7	
	19.1	12.5	9.7	3.6	.3	.0						100.0	2.4

TOTAL NUMBER OF OBSERVATIONS

2968



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	1.5	.4	.1	.0	.0						3.7	4.6
NNE	.2	.2	.1	.0								.5	5.6
NE	.3	.1	.4	.1								.9	6.1
ENE	.2	.1	.3	.1	.0							.7	7.5
E	.2	.6	.7	.2								1.7	7.0
ESE	.2	.5	.4	.1	.0							1.2	6.8
SE	.7	.4	.5	.3	.1	.0						2.0	7.0
SSE	.2	.6	.5	.5	.1	.0	.0					2.0	9.0
S	.8	1.6	1.0	.8	.3							4.6	7.4
SSW	.3	.8	.8	.3	.1	.0						2.3	7.9
SW	1.2	.9	.5	.1								2.8	4.8
WSW	.3	.3	.3	.0								1.0	3.6
W	2.8	.6	.6	.1								4.0	3.4
WNW	.7	.7	1.2	.6		.0						3.2	7.6
NW	2.7	2.6	2.2	.7	.2	.0						8.4	6.0
NNW	1.7	1.5	.8	.2	.1							4.3	5.3
VARBL													
CALM												56.8	
	14.2	12.9	10.6	4.2	1.0	.2	.0					100.0	2.6

TOTAL NUMBER OF OBSERVATIONS

2879

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	.8	.4	.2	.0	.0						3.1	4.1
NNE	.3	.3	.1									.7	4.0
NE	.5	.1	.2	.2								1.0	5.9
ENE	.2	.3	.2	.2								1.0	6.4
E	.2	.5	1.1	.2								1.9	7.3
ESE	.1	.4	.6	.0								1.1	6.3
SE	.3	.9	.5	.3								2.0	6.7
SSE	.1	.7	1.0	.5		.0						2.3	8.3
S	1.4	.9	1.3	1.0	.1	.0	.0					4.7	7.5
SSW	.5	.8	.8	.2	.2	.0						2.6	7.7
SW	1.1	.7	.7	.2	.0							2.7	5.6
WSW	.3	.3	.2	.0								.9	5.1
W	2.5	.7	.8	.1								4.1	3.9
WNW	.6	.8	1.2	.3	.1	.0						3.0	7.2
NW	3.6	2.3	2.0	.6	.1	.0						8.6	5.4
NNW	2.5	1.1	.8	.2	.1	.1						4.7	4.9
VARBL													
CALM												55.4	
	15.9	11.6	11.8	4.2	.7	.2	.0					100.0	2.7

TOTAL NUMBER OF OBSERVATIONS 2880

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	1.0	.7	.1	.0	.1						4.3	4.6
NNE	.5	.1	.0									.7	3.1
NE	.5	.2	.1	.1	.0							1.0	5.5
ENE	.3		.2	.1	.0							.6	7.2
E	.5	.8	1.1	.6	.0							3.1	7.6
ESE	.3	.6	.7	.1								1.6	6.4
SE	1.0	.6	1.2	.3	.1							3.2	6.5
SSE	.4	.6	1.2	.5	.1							2.8	8.3
S	1.9	1.7	1.7	.9	.2							6.5	6.5
SSW	.9	1.0	.6	.5	.0	.1						3.1	6.7
SW	1.0	.6	.5	.1	.0							2.3	5.2
WSW	.2	.1	.3	.1								.7	6.4
W	2.5	.6	.4									3.3	3.3
WNW	.8	.9	1.0	.6								3.3	6.9
NW	3.3	2.2	1.4	.6	.1							7.6	5.1
NNW	2.2	1.1	.5	.3	.1	.0						4.2	4.8
VARBL													
CALM												51.5	
	18.7	12.1	11.7	4.9	.8	.2						100.0	2.6

TOTAL NUMBER OF OBSERVATIONS 2873

3  
DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23213  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	1.0	.3	.4	.1	.1						4.6	4.9
NNE	.5	.1	.2	.2	.2	.0						1.2	7.9
NE	1.3	.5	.5	.1								2.4	4.7
ENE	.5	.5	.3	.1	.0							1.6	5.8
E	3.5	2.7	2.4	1.0	.0							9.8	5.7
ESE	1.7	2.4	1.7	.6								6.3	5.8
SE	3.5	3.4	3.5	.6	.2	.0						11.2	6.0
SSE	.7	1.2	1.9	.8	.2							4.8	7.9
S	.8	1.2	2.3	1.2	.2							5.6	8.1
SSW	.4	.9	.8	.6	.1							2.7	7.7
SW	.6	.8	1.2	.4								3.0	6.9
WSW	.0	.0	.3	.2								.5	9.3
W	.6	.3	.7	.2								1.8	6.7
WNW	.2	.5	1.3	.6								2.6	8.5
NW	1.0	1.4	2.1	.6	.2							5.4	7.6
NNW	1.0	1.3	.8	.5	.3	.1	.0					3.9	7.6
VARBL													
CALM												32.6	
	19.0	18.2	20.5	7.9	1.5	.2	.0					100.0	4.5

TOTAL NUMBER OF OBSERVATIONS

2878

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.4	.5	.7	.2	.1	.0	.0				2.2	10.4
NNE	.1	.1	.2	.3	.1							.9	9.5
NE	.5	.4	.5	.2	.1							1.7	7.5
ENE	.8	.7	1.0	.1	.0							2.6	5.7
E	3.5	5.4	3.8	1.1	.1							14.0	6.0
ESE	2.3	4.4	3.0	.8								10.5	6.0
SE	5.0	8.3	7.2	1.1	.1	.0						21.8	6.0
SSE	.9	1.7	2.2	.8	.3							5.9	7.6
S	.5	1.1	2.0	1.3	.2	.0						5.2	9.0
SSW	.1	.3	1.7	1.1	.1	.0						3.4	10.1
SW	.2	.9	2.4	.7	.1							4.2	8.7
WSW	.1	.3	1.1	.1	.1							1.6	8.2
W	.1	.7	1.7	.8	.1							3.5	9.2
WNW	.2	.4	1.7	1.0	.1							3.4	9.6
NW	.3	1.0	2.4	1.0	.1							4.7	8.6
NNW	.1	.3	1.0	.4	.2	.1						2.1	10.3
VARBL													
CALM												12.4	
	15.0	26.3	32.7	11.3	1.9	.3	.0	.0				100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 2879

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.3	.8	.5	.1	.0	.0	.0				2.3	9.2
NNE	.1	.3	.1	.1								.6	6.6
NE	.4	.2	.5	.1	.1							1.3	7.3
ENE	.5	.6	.4	.2								1.7	6.2
E	1.7	2.3	2.1	.7	.0							6.7	6.2
ESE	1.2	1.4	1.5	.2	.1							4.3	5.9
SE	3.8	4.3	2.7	.5	.0							11.3	5.2
SSE	1.0	1.9	1.6	.5	.2	.1						5.2	6.8
S	2.0	1.7	1.9	.9	.2	.1						6.7	6.8
SSW	.5	1.1	1.2	.9	.1							3.8	8.0
SW	1.4	1.6	2.2	.7	.1	.0						6.0	6.9
WSW	.2	1.0	.9	.1								2.2	6.3
W	1.4	1.9	2.7	.5	.0							6.5	6.7
WNW	.7	1.6	2.9	1.1	.1							6.4	7.9
NW	1.0	2.2	3.8	.9	.1	.0						8.0	7.6
NNW	.2	.6	1.0	.2	.1							2.1	7.9
VARBL													
CALM												24.9	
	16.5	23.0	26.2	8.0	1.2	.2	.0	.0				100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 2879



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.R.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.1	.5	.1								3.4	4.0
NNE	.4	.3	.3		.0							1.0	5.4
NE	.6	.2	.2	.2								1.1	5.3
ENE	.1	.1	.2									.5	5.9
E	.6	1.0	1.3	.2	.1	.0						3.3	7.0
ESE	.3	.3	.3	.1								1.1	6.2
SE	.8	.9	.3	.3	.1							2.4	6.1
SSE	.5	.5	.7	.4	.1	.1						2.3	8.5
S	1.5	1.3	1.5	.8	.1	.0						5.2	6.9
SSW	.9	1.2	.8	.2	.0							3.2	5.9
SW	1.7	1.6	1.0	.6								4.9	5.6
WSW	.7	.8	.6									2.1	4.9
W	3.9	1.8	1.4	.3	.0							7.3	4.5
WNW	1.2	1.2	1.8	.8	.1	.0						5.1	7.2
NW	3.4	2.7	2.9	1.3	.1	.0						10.5	6.4
NNW	2.1	1.6	1.0	.2	.0	.0						5.0	5.1
VARBL													
CALM												41.7	
	20.6	16.5	14.7	5.5	.8	.2						100.0	3.5

TOTAL NUMBER OF OBSERVATIONS

2878

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.6	.5	.1		.0						2.9	4.3
NNE	.3	.1	.1	.1	.0							.7	5.9
NE	.6	.2	.1	.1								1.0	5.1
ENE	.2	.2	.1	.1								.7	6.8
E	.2	.7	.5	.2	.1	.0						1.7	7.5
ESE	.3	.4	.5	.2								1.5	6.6
SE	.8	.5	.4	.2	.0							1.8	5.4
SSE	.2	.5	.5	.5	.1	.0						1.8	9.4
S	1.2	1.3	1.1	.8	.2							4.6	7.1
SSW	.8	.5	.5	.5	.2	.0						2.4	7.9
SW	1.7	1.1	1.2	.3	.1							4.4	5.8
WSW	.2	.5	.4	.1								1.2	6.2
W	3.3	1.1	.9	.2								5.5	4.0
WNW	1.0	.7	1.2	.8	.1							3.8	7.4
NW	4.4	2.3	2.7	1.0	.1	.0						10.6	5.7
NNW	1.8	1.4	.8	.4								4.4	5.2
VARBL													
CALM												50.9	
	18.9	12.0	11.5	5.6	1.0	.2						100.0	3.0

TOTAL NUMBER OF OBSERVATIONS

2879

3  
DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	1.0	.4	.2	.0	.1	.0					3.6	5.0
NNE	.3	.2	.1	.1	.1							.8	6.7
NE	.5	.6	.6	.1								1.7	5.8
ENE	.5	1.0	.7	.3	.1							2.6	6.6
E	1.1	2.3	3.4	1.4	.2							8.4	8.0
ESE	.5	.8	.9	.4	.2							2.8	7.9
SE	.7	1.0	.9	.8	.1							3.5	7.8
SSE	.2	.8	.8	.7	.2	.0						2.8	9.0
S	1.1	1.7	1.2	.8	.4	.2						5.4	8.1
SSW	.3	.8	.6	.6	.4	.1						2.8	10.0
SW	1.1	1.1	.8	.3	.2	.0	.0					3.5	6.9
WSW	.2	.3	.2		.0							.7	5.9
W	2.2	.6	.7	.2	.0							3.7	4.4
WNW	.5	.3	.9	.2	.0							1.9	7.3
NW	2.8	2.0	1.9	.5	.0							7.3	5.4
NNW	1.4	1.1	1.2	.2	.1							4.0	5.7
VARBL													
CALM												44.6	
	15.3	15.4	15.5	6.7	2.1	.5	.1					100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 2975

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	1.1	.3	.2		.0	.0	.0				3.7	4.9
NNE	.4	.4	.3	.1								1.2	5.6
NE	.5	.7	.1	.1								1.4	4.7
ENE	.4	.7	.9	.4	.0							2.4	7.2
E	.9	2.6	4.3	1.8	.4	.0						10.1	8.4
ESE	.4	.9	1.0	.5	.2	.0						3.0	8.2
SE	.6	1.0	1.1	.7	.1	.0						3.6	7.8
SSE	.4	.5	.9	.7	.1							2.6	8.3
S	1.5	1.2	1.6	1.0	.3	.2		.0				5.8	8.2
SSW	.4	.8	.7	.3	.2	.2						2.7	9.1
SW	.8	.8	1.1	.4	.3	.1						3.5	8.0
WSW	.1	.2	.3	.1	.0							.8	7.2
W	1.9	.9	.6	.2								3.6	4.2
WNW	.5	.5	.7	.3								2.1	6.8
NW	2.6	1.9	1.7	.8	.0							7.0	5.7
NHW	1.2	1.2	.9	.3								2.7	5.5
VARBL													
CALM												42.8	
	14.6	15.8	16.5	7.9	1.6	.6	.0	.1				100.0	4.0

TOTAL NUMBER OF OBSERVATIONS

2975

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23211 STATION HAMILTON AFB CALIF/SAN RAFAEL 39-70 YEARS DEC MONTH  
0600-0800 HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	1.1	.3	.2	.0				.0			3.9	4.4
NNE	.4	.3	.2	.1	.0							1.0	3.3
NE	.6	.5	.5	.0				.0	.0			1.8	6.7
ENE	.3	1.0	1.0	.5								2.8	7.3
E	.9	2.8	4.1	1.8	.5	.1						10.2	8.3
ESE	.6	1.0	.9	.6	.1	.1						3.3	7.7
SE	1.1	1.2	1.3	1.1	.2							4.9	7.6
SSE	.4	.2	1.3	.6	.2	.0						2.8	9.6
S	1.5	1.4	1.5	.8	.5	.2	.0					6.0	8.3
SSW	.3	.5	1.1	.4	.2		.0					2.6	8.9
SW	.9	.8	.5	.2	.2							2.6	6.2
WSW	.3	.3	.3	.2								1.1	6.4
W	1.3	.8	.3	.2	.1	.0						2.9	3.3
WNW	.7	.4	.8	.4								2.3	6.7
NW	2.6	1.5	1.3	.6	.0	.1						6.2	3.5
NNW	1.9	1.4	1.0	.2	.1							4.6	3.1
VARBL													
CALM												41.1	
	16.1	15.5	16.6	7.9	2.2	.5	.1	.0	.1			100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 2975

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23211 HAMILTON AFB CALIF/SAN RAFAEL 39-70 DEC  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
0900-1100  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	.9	.7	.3	.1							4.3	4.9
NNE	.6	.6	.3	.2	.0				.0			1.8	6.4
NE	.9	1.0	.8	.1	.1				.1			3.0	6.6
ENE	.5	1.1	1.4	.3	.1							3.3	7.1
E	2.9	4.0	5.2	2.9	.6	.1						15.6	7.8
ESE	1.1	1.8	2.1	.7	.1	.1						5.9	7.3
SE	2.7	2.4	2.6	.8	.3							8.8	6.4
SSE	.7	.8	1.3	.6	.1	.1	.1					3.6	8.2
S	.9	1.1	1.4	.8	.7	.1						4.9	9.2
SSW	.4	.5	.7	.5	.2	.1	.0					2.5	10.1
SW	.7	.7	.8	.4	.2		.0					2.9	7.6
WSW	.0	.2	.4	.1	.1							.8	9.3
W	.1	.3	.6	.3	.1							1.4	9.0
WNW	.2	.6	.7	.6	.1							2.2	8.8
NW	1.2	1.1	1.5	1.1	.1							5.0	7.7
NNW	.7	.8	1.2	.5	.1							3.4	7.5
VARBL													
CALM												30.4	
	16.0	17.8	21.9	10.4	2.8	.5	.1		.1			100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 2975



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23211 HAMILTON AFB CALIF/SAN RAFAEL 39-70  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
DEC  
MONTH  
1200-1400  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7	.9	.2	.1	.1						2.7	6.7
NNE	.2	.4	.3	.3	.1	.1		.0				1.4	9.9
NE	.0	.6	.5	.4				.0				2.2	7.2
ENE	1.1	1.3	1.0	.3	.0							3.8	5.6
E	3.9	5.3	6.5	3.1	.5							19.4	7.3
ESE	2.0	3.7	3.2	1.3	.1	.1	.1					10.5	7.0
SE	3.9	5.1	3.9	.8	.2							13.9	5.9
SSE	.8	1.5	1.6	.6	.2	.0						4.7	7.3
S	.3	.6	1.4	1.2	.2							3.7	9.5
SSW	.2	.7	1.2	1.0	.5	.2	.0					3.8	11.4
SW	.4	.4	1.4	.7	.1	.1						3.1	9.1
WSW	.1	.1	.5	.3	.0							1.0	9.3
W	.2	.6	1.3	.9	.1							3.2	9.1
WNW	.1	.3	1.4	.8	.1							2.7	9.6
NW	.3	.7	2.5	1.2	.3	.0						5.1	9.3
NNW	.2	.3	1.3	.4	.0							2.3	8.4
VARBL													
CALM												16.5	
	15.1	22.4	29.2	13.4	2.6	.6	.1	.1				100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 2974

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION 23211 HAMILTON AFB CALIF/SAN RAFAEL 39-70 YEARS DEC  
MONTHS  
1500-1700  
HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	.5	.4	.3	.1							2.2	6.5
NNE	.4	.2	.2	.2	.0	.1						1.1	7.7
NE	.7	.6	.3	.2	.1		.0	.0				1.9	7.1
ENE	.5	.8	.5	.3	.0							2.1	6.3
E	2.0	3.7	4.9	2.9	.2							14.6	7.5
ESE	1.8	2.5	2.1	1.2	.4	.0						7.9	7.3
SE	3.2	2.5	2.3	.6	.1							8.8	5.7
SSE	.7	1.2	.7	.3	.1							3.1	6.6
S	1.8	1.6	1.4	1.1	.2	.1						6.3	7.3
SSW	.5	.7	1.4	.7	.5	.0						3.8	9.6
SW	1.0	1.3	1.6	.6	.2	.1	.0					4.8	7.4
WSW	.1	.3	.8		.0							1.2	7.3
W	1.3	.9	2.1	.5	.1							5.0	7.0
WNW	.4	.8	2.2	.8	.1							4.2	8.3
NW	1.1	1.2	2.9	.9	.1							6.2	7.4
NNW	.4	.5	1.0	.4	.1							2.4	7.5
VARBL													
CALM												24.4	
	17.5	19.4	24.9	11.0	2.4	.3	.1	.0				100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 2973

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23211 HAMILTON AFB CALIF/SAN RAFAEL 39-70 DEC  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
1800-2000  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	.5	.5	.3	.1		.0					2.7	6.1
NNE	.3	.2	.1	.1	.0							.7	6.0
NE	.4	.5	.2	.2								1.2	5.5
ENE	.3	.6	.7	.4								2.0	7.6
E	1.6	2.3	3.7	1.7	.2							9.5	7.7
ESE	.4	.9	.9	.6	.2							3.2	8.3
SE	1.2	1.5	1.3	.5	.1	.0						4.6	6.5
SSE	.3	.6	.4	.5	.1							1.9	8.4
S	1.6	1.3	1.1	1.2	.3	.1	.1					5.8	8.2
SSW	1.0	.9	.7	.6	.3	.0						3.6	7.8
SW	1.8	1.5	1.1	.4		.0						4.8	5.4
WSW	.2	.6	.3	.1	.0							1.3	6.2
W	2.7	1.0	1.0	.5	.0	.0	.1					5.4	5.5
WNW	.7	1.3	1.2	.7	.1							4.1	7.2
NW	2.5	2.8	2.0	.8	.0	.0						8.2	6.0
NNW	1.1	.5	.7	.2	.1							2.7	5.9
VARBL													
CALM												38.5	
	17.2	17.4	16.1	8.7	1.6	.3	.2					100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 2969

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	.7	.4	.3	.0	.1						3.3	5.0
NNE	.4	.3	.2	.2	.1	.0		.0				1.4	8.6
NE	.5	.4	.5	.1								1.5	5.5
ENE	.3	.7	.6	.2								1.9	6.4
E	1.0	2.4	3.0	1.4	.1							7.8	7.5
ESE	.3	.9	1.1	.6	.1							3.0	8.5
SE	1.0	.8	.7	.8	.2							3.7	7.7
SSE	.4	.5	1.0	.4	.2							2.5	8.4
S	1.3	1.2	1.1	1.0	.2	.1						4.9	7.6
SSW	.7	.9	.8	.5	.2	.2						3.3	8.5
SW	1.4	1.0	1.0	.4	.1							4.0	6.1
WSW	.3	.4	.4	.2								1.3	6.1
W	2.4	.8	.8	.2	.0	.1						4.4	4.7
WNW	.5	1.0	1.0	.6	.1							3.1	7.4
NW	2.5	1.8	2.3	.6	.2	.0						7.4	6.3
NNW	1.4	1.0	.7	.2	.1	.0						3.5	5.5
VARBL													
CALM												43.2	
	16.3	14.7	15.8	7.8	1.7	.5		.0				100.0	3.9

TOTAL NUMBER OF OBSERVATIONS

2971

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

ALL  
MONTH

INSTRUMENT

ALL

HOURS (L.S.T.)

CIG 200 TO 1400 FT W/ VS8Y 1/2 MI OR MORE,

AND/OR VS8Y 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.9	.3	.0	.0	.0						3.4	3.5
NNE	.4	.3	.1	.0	.0							.8	4.3
NE	.8	.6	.4	.1								1.9	4.8
ENE	.5	.8	.7	.3	.0							2.2	6.5
E	1.5	3.0	4.3	1.9	.2	.0						10.9	7.8
ESC	.6	1.0	1.2	.5	.1	.0	.0					3.4	7.5
SE	1.2	1.4	1.7	.7	.1	.0	.0	.0				5.1	7.1
SSE	.4	.7	1.3	.9	.3	.1	.0					3.7	9.4
S	1.3	1.5	2.2	1.6	.6	.2	.0	.0				7.5	9.1
SSW	.9	1.2	1.8	1.5	.5	.3	.0	.0	.0	.0		6.3	9.9
SW	1.9	2.0	1.8	.9	.2	.1	.0	.0				6.8	6.9
WSW	.5	.9	.6	.1	.0	.0						2.3	6.0
W	1.7	.9	.5	.1	.0	.0						3.2	4.3
WNW	.0	.6	.3	.1	.0							1.7	5.1
NW	2.6	1.6	.7	.1	.0	.0						4.9	4.2
NNW	1.5	1.1	.4	.0								3.0	4.0
VARBL													
CALM												32.9	
	18.5	18.7	18.1	8.8	2.1	.7	.1	.0	.0	.0		100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 33837

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE (MAC)  
ASHEVILLE, NORTH CAROLINA

## PART D

## CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.



EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
1500																
1500					91.0											92.6
1200																
1000																
500																
800																
700																
600																
500										97.4						98.1
400																
300																
200																
100					95.4		96.9			98.3						100.0
0																

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed  $\geq 0$ .  
For instance, from the table: Ceiling  $\geq 1500$  feet = 92.6%.  
Ceiling  $\geq 500$  feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite  $\geq 0$ . From the table:  
Visibility  $\geq 3$  miles = 95.4%.  
Visibility  $\geq 2$  miles = 96.9%.  
Visibility  $\geq 1$  mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling  $\geq 1500$  feet with visibility  $\geq 3$  miles = 91.0%.

#### ADDITIONAL EXAMPLES

##### EXAMPLE # 4

Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.

Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

##### EXAMPLE # 5

To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of  $\geq 1500$  feet with  $\geq 3$  miles, subtracted from 97.4 read from the table at the intersection of  $\geq 500$  feet with  $\geq 1$  mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling  $\geq 500$  feet with visibility  $\geq 1$  mile, but < 3 miles; or ceiling  $\geq 500$  feet, but < 1500 feet with visibility  $\geq 1$  mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

ALL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS 11:11

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0	≥0
NO CEILING	51.7	59.9	61.0	61.8	62.5	62.6	62.9	63.0	63.0	63.3	63.3	63.4	63.5	63.5	63.7
≥ 20000	56.5	63.9	67.2	68.2	68.9	69.1	69.4	69.6	69.6	69.8	69.9	69.9	70.1	70.1	70.3
IV 18000	56.7	66.1	67.5	68.4	69.2	69.4	69.7	69.9	69.9	70.1	70.2	70.2	70.4	70.4	70.6
IV 16000	57.0	66.5	67.8	68.8	69.6	69.8	70.1	70.2	70.2	70.5	70.6	70.6	70.8	70.8	71.0
IV 14000	57.8	67.5	68.9	69.9	70.7	70.9	71.2	71.4	71.4	71.7	71.7	71.8	71.9	71.9	72.1
IV 12000	58.8	68.6	70.1	71.1	72.0	72.1	72.5	72.6	72.7	73.0	73.0	73.1	73.2	73.3	73.4
IV 10000	59.5	69.5	71.0	72.1	73.0	73.2	73.5	73.7	73.7	74.0	74.1	74.1	74.3	74.3	74.5
IV 9000	59.8	69.8	71.3	72.4	73.3	73.5	73.9	74.0	74.1	74.3	74.4	74.4	74.6	74.6	74.8
IV 8000	60.2	70.4	71.9	73.0	73.9	74.1	74.5	74.7	74.7	75.0	75.1	75.1	75.3	75.3	75.5
IV 7000	60.6	70.9	72.4	73.5	74.5	74.7	75.0	75.2	75.2	75.5	75.6	75.6	75.8	75.8	76.0
IV 6000	61.0	71.3	72.9	74.0	74.9	75.1	75.5	75.7	75.7	76.0	76.1	76.1	76.3	76.3	76.5
IV 5000	61.5	71.9	73.5	74.7	75.7	75.9	76.2	76.4	76.5	76.8	76.8	76.9	77.0	77.1	77.2
IV 4500	61.8	72.3	73.9	75.1	76.1	76.3	76.7	76.8	76.9	77.2	77.3	77.3	77.4	77.5	77.6
IV 4000	62.3	73.0	74.7	75.9	76.9	77.1	77.5	77.7	77.7	78.0	78.1	78.1	78.3	78.3	78.5
IV 3500	62.9	73.8	75.4	76.6	77.6	77.8	78.3	78.4	78.5	78.8	78.9	78.9	79.0	79.1	79.3
IV 3000	64.0	75.1	76.8	78.1	79.1	79.3	79.7	79.9	80.0	80.3	80.4	80.4	80.5	80.6	80.8
IV 2500	65.3	76.6	78.4	79.7	80.8	81.0	81.4	81.6	81.7	82.0	82.1	82.1	82.3	82.3	82.5
IV 2000	67.0	78.9	80.7	82.1	83.3	83.5	84.0	84.2	84.2	84.6	84.7	84.7	84.8	84.9	85.1
IV 1800	67.5	79.5	81.4	82.8	84.0	84.2	84.7	85.0	85.0	85.3	85.4	85.5	85.6	85.7	85.9
IV 1500	68.6	81.1	83.1	84.6	85.9	86.2	86.7	87.0	87.1	87.4	87.5	87.5	87.7	87.7	87.9
IV 1200	69.9	82.8	85.0	86.7	88.2	88.5	89.1	89.4	89.4	89.8	89.9	89.9	90.1	90.2	90.4
IV 1000	70.7	84.1	86.4	88.7	89.8	90.2	90.8	91.2	91.2	91.7	91.8	91.8	92.0	92.0	92.2
IV 900	71.0	84.7	87.0	88.9	90.7	91.0	91.8	92.1	92.2	92.7	92.8	92.8	93.0	93.0	93.2
IV 800	71.4	85.3	87.7	89.8	91.7	92.0	92.8	93.3	93.3	93.8	94.0	94.0	94.2	94.2	94.4
IV 700	71.6	85.8	88.3	90.4	92.4	92.8	93.7	94.2	94.2	94.8	94.9	95.0	95.2	95.2	95.4
IV 600	71.8	86.1	88.6	90.8	93.0	93.4	94.4	94.9	95.0	95.6	95.8	95.8	96.0	96.0	96.2
IV 500	71.8	86.3	88.8	91.1	93.4	93.9	95.0	95.6	95.7	96.4	96.6	96.6	96.8	96.9	97.1
IV 400	71.8	86.3	88.9	91.2	93.6	94.1	95.4	96.0	96.1	96.9	97.1	97.1	97.4	97.4	97.7
IV 300	71.9	86.3	88.9	91.3	93.7	94.2	95.5	96.2	96.4	97.3	97.5	97.5	97.8	97.9	98.1
IV 200	71.9	86.3	88.9	91.3	93.7	94.3	95.6	96.3	96.5	97.4	97.7	97.8	98.1	98.2	98.5
IV 100	71.9	86.3	88.9	91.3	93.7	94.3	95.6	96.3	96.5	97.5	97.8	97.8	98.2	98.3	98.7
IV 0	71.9	86.3	88.9	91.3	93.7	94.3	95.6	96.3	96.5	97.5	97.8	97.8	98.3	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 78144

USAF ETAC

FORM  
JUL 64

0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

23211

HAMILTON AFB CALIF/SAN RAFAEL

40-70

YEARS

1 JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

111  
HOURS PER

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	29.2	36.4	38.6	40.3	42.1	42.6	43.5	43.9	44.0	44.4	44.7	44.7	45.0	45.1	45.4	46.0
≥ 20000	31.8	40.2	42.7	44.8	46.7	47.2	48.2	48.7	48.8	49.4	49.6	49.4	50.0	50.1	50.4	51.0
IV 18000	31.9	40.5	43.0	45.2	47.0	47.6	48.6	49.1	49.2	49.7	50.0	50.0	50.4	50.5	50.8	51.4
IV 16000	32.0	40.7	43.3	45.4	47.3	47.9	48.9	49.4	49.5	50.0	50.3	50.3	50.7	50.8	51.1	51.7
IV 14000	32.8	41.7	44.4	46.6	48.6	49.1	50.2	50.7	50.8	51.4	51.6	51.6	52.0	52.1	52.4	53.0
IV 12000	33.5	42.9	45.6	48.0	50.1	50.7	51.7	52.3	52.4	52.9	53.2	53.2	53.6	53.7	54.1	54.7
IV 10000	34.3	44.0	46.9	49.4	51.5	52.2	53.2	53.8	53.9	54.5	54.7	54.8	55.1	55.3	55.6	56.2
IV 9000	34.6	44.4	47.4	49.9	52.0	52.7	53.7	54.3	54.4	55.0	55.2	55.3	55.6	55.8	56.1	56.7
IV 8000	35.3	45.3	48.3	50.8	53.0	53.7	54.8	55.4	55.5	56.1	56.3	56.3	56.7	56.8	57.2	57.8
IV 7000	35.7	45.9	48.9	51.5	53.8	54.5	55.6	56.2	56.3	56.9	57.2	57.2	57.6	57.7	58.0	58.7
IV 6000	36.1	46.6	49.6	52.3	54.6	55.2	56.4	57.0	57.1	57.7	58.0	58.0	58.4	58.5	58.8	59.5
IV 5000	36.7	47.3	50.7	53.4	55.8	56.5	57.7	58.3	58.5	59.0	59.3	59.3	59.7	59.8	60.2	60.8
IV 4500	37.0	48.0	51.3	54.1	56.3	57.2	58.4	59.0	59.2	59.7	60.0	60.0	60.4	60.5	60.9	61.5
IV 4000	37.8	49.2	52.5	55.4	57.9	58.6	59.9	60.5	60.6	61.2	61.4	61.5	61.9	62.0	62.3	63.0
IV 3500	38.7	50.4	53.8	56.7	59.3	60.0	61.3	61.9	62.0	62.6	62.9	62.9	63.3	63.4	63.8	64.4
IV 3000	39.9	52.1	55.7	58.7	61.4	62.1	63.4	64.1	64.2	64.8	65.1	65.1	65.5	65.6	66.0	66.6
IV 2500	41.1	53.8	57.6	60.7	63.5	64.3	65.6	66.3	66.5	67.1	67.3	67.4	67.8	67.9	68.3	68.9
IV 2000	42.9	56.7	60.8	64.2	67.3	68.1	69.6	70.4	70.5	71.2	71.5	71.5	71.9	72.1	72.4	73.0
IV 1800	43.2	57.2	61.4	64.8	68.1	68.9	70.4	71.2	71.4	72.1	72.4	72.4	72.8	72.9	73.3	73.9
IV 1500	43.9	58.6	63.1	66.8	70.6	71.4	73.1	74.0	74.1	74.9	75.3	75.3	75.7	75.9	76.2	76.9
IV 1200	44.4	59.8	64.6	68.8	73.1	74.1	76.1	77.1	77.2	78.2	78.5	78.5	79.0	79.1	79.5	80.1
IV 1000	44.6	60.5	65.5	70.1	74.9	75.9	78.1	79.3	79.5	80.5	80.9	80.9	81.4	81.6	81.9	82.6
IV 900	44.7	60.8	65.9	70.8	76.0	77.1	79.5	80.7	81.0	82.1	82.5	82.5	83.0	83.1	83.5	84.2
IV 800	44.8	61.1	66.4	71.7	77.3	78.5	81.1	82.6	82.8	84.2	84.6	84.6	85.1	85.3	85.6	86.3
IV 700	44.9	61.3	66.6	72.3	78.3	79.5	82.5	84.1	84.4	85.9	86.3	86.4	86.9	87.0	87.4	88.1
IV 600	44.9	61.4	66.9	72.7	79.0	80.4	83.7	85.5	85.9	87.6	88.0	88.1	88.6	88.8	89.2	89.8
IV 500	44.9	61.5	67.0	73.0	79.8	81.3	84.9	87.0	87.3	89.3	89.9	89.9	90.6	90.7	91.1	91.8
IV 400	44.9	61.5	67.0	73.1	80.1	81.7	85.6	87.9	88.3	90.6	91.3	91.4	92.1	92.2	92.7	93.4
IV 300	44.9	61.5	67.0	73.2	80.3	81.9	86.0	88.5	89.0	91.6	92.5	92.6	93.4	93.6	94.2	94.9
IV 200	44.9	61.5	67.0	73.2	80.3	82.0	86.2	88.7	89.3	92.1	93.2	93.3	94.3	94.6	95.2	96.1
IV 100	44.9	61.5	67.0	73.2	80.3	82.0	86.2	88.8	89.3	92.2	93.3	93.4	94.6	94.9	95.9	97.2
IV 0	44.9	61.5	67.0	73.2	80.3	82.0	86.2	88.8	89.3	92.2	93.3	93.4	94.7	95.0	96.2	100.0

TOTAL NUMBER OF OBSERVATIONS 23049

USAF ETAC

FORM  
JUL 64

0-14-5 (OL 1)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

## CEILING VERSUS VISIBILITY

23211

HAMILTON AFB CALIF/SAN RAFAEL

40-70

YEARS

FEB

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS 11311

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	40.5 44.6	46.7 52.1	48.3 53.9	49.3 55.1	50.0 56.1	50.2 56.3	50.5 56.7	50.7 56.9	50.8 57.0	51.1 57.3	51.2 57.5	51.2 57.5	51.4 57.7	51.4 57.8	51.6 57.9	51.8 58.2
IV 18000	45.0	52.6	54.3	55.6	56.6	56.8	57.2	57.4	57.5	57.8	57.9	57.9	58.2	58.2	58.4	58.7
IV 16000	45.4	53.1	54.9	56.1	57.1	57.4	57.8	58.0	58.0	58.4	58.5	58.5	58.7	58.8	59.0	59.3
IV 14000	46.3	54.5	56.4	57.7	58.9	59.1	59.5	59.8	59.8	60.2	60.3	60.3	60.5	60.6	60.8	61.1
IV 12000	47.6	56.1	58.1	59.5	60.6	60.9	61.3	61.6	61.6	62.0	62.2	62.2	62.4	62.5	62.7	63.0
IV 10000	48.6	57.3	59.6	61.0	62.2	62.6	63.0	63.2	63.3	63.7	63.8	63.9	64.1	64.2	64.4	64.7
IV 9000	49.0	58.0	60.1	61.6	62.8	63.1	63.6	63.8	63.9	64.2	64.4	64.4	64.7	64.7	64.9	65.2
IV 8000	50.0	59.1	61.2	62.7	64.0	64.4	64.8	65.1	65.1	65.5	65.7	65.7	65.9	66.0	66.2	66.5
IV 7000	50.9	60.2	62.4	64.0	65.3	65.7	66.1	66.4	66.5	66.9	67.0	67.0	67.3	67.4	67.6	67.9
IV 6000	51.5	61.1	63.3	64.9	66.2	66.6	67.1	67.3	67.4	67.8	67.9	68.0	68.2	68.3	68.5	68.8
IV 5000	52.5	62.4	64.7	66.3	67.7	68.1	68.5	68.8	68.9	69.3	69.4	69.4	69.7	69.8	70.0	70.3
IV 4500	53.0	63.1	65.4	67.1	68.4	68.8	69.3	69.6	69.6	70.0	70.2	70.2	70.5	70.5	70.7	71.0
IV 4000	54.0	64.3	66.7	68.4	69.8	70.2	70.7	71.0	71.0	71.5	71.6	71.7	71.9	72.0	72.2	72.5
IV 3500	54.9	65.5	68.0	69.7	71.1	71.5	72.0	72.3	72.4	72.8	73.0	73.0	73.2	73.3	73.5	73.8
IV 3000	56.5	67.7	70.2	72.0	73.6	74.0	74.5	74.8	74.9	75.3	75.5	75.5	75.8	75.8	76.1	76.4
IV 2500	58.0	69.7	72.4	74.3	75.9	76.3	76.9	77.3	77.3	77.8	77.9	78.0	78.2	78.3	78.5	78.8
IV 2000	59.7	72.3	75.2	77.3	79.1	79.5	80.2	80.6	80.6	81.1	81.3	81.3	81.6	81.6	81.9	82.2
IV 1800	60.2	73.1	76.1	78.3	80.1	80.6	81.2	81.7	81.7	82.2	82.4	82.4	82.7	82.8	83.0	83.3
IV 1500	61.2	74.8	78.0	80.4	82.5	83.0	83.7	84.2	84.3	84.8	85.0	85.1	85.3	85.4	85.6	85.9
IV 1200	62.0	76.4	79.8	82.4	84.7	85.3	86.2	86.8	86.9	87.5	87.7	87.7	88.0	88.0	88.3	88.6
IV 1000	62.3	77.4	81.0	83.8	86.4	87.0	88.1	88.7	88.8	89.5	89.6	89.7	89.9	90.0	90.2	90.5
IV 900	62.5	77.8	81.5	84.4	87.1	87.8	89.0	89.7	89.8	90.5	90.7	90.7	91.0	91.1	91.3	91.6
IV 800	62.6	78.2	82.0	85.1	87.9	88.7	90.1	90.9	91.0	91.8	92.0	92.0	92.3	92.4	92.6	92.9
IV 700	62.7	78.4	82.3	85.6	88.6	89.4	90.9	91.7	91.9	92.7	93.0	93.0	93.3	93.4	93.6	93.9
IV 600	62.7	78.6	82.5	85.8	88.9	89.8	91.4	92.4	92.5	93.5	93.8	93.8	94.1	94.2	94.4	94.7
IV 500	62.7	78.6	82.6	86.0	89.3	90.2	92.0	93.1	93.2	94.4	94.7	94.7	95.0	95.1	95.4	95.7
IV 400	62.8	78.7	82.7	86.2	89.6	90.6	92.3	93.7	93.8	95.2	95.5	95.5	95.9	96.0	96.2	96.6
IV 300	62.8	78.7	82.7	86.2	89.7	90.7	92.7	94.0	94.2	95.7	96.1	96.1	96.5	96.6	96.9	97.3
IV 200	62.8	78.7	82.7	86.2	89.7	90.7	92.8	94.1	94.3	95.9	96.4	96.4	96.9	97.0	97.4	97.9
IV 100	62.8	78.7	82.7	86.2	89.7	90.7	92.8	94.1	94.3	96.0	96.5	96.5	97.1	97.3	97.8	98.4
IV 0	62.8	78.7	82.7	86.2	89.7	90.7	92.8	94.1	94.3	96.0	96.5	96.5	97.1	97.3	97.9	100.0

TOTAL NUMBER OF OBSERVATIONS

21009

USAF ETAC

FORM  
JUL 64

0-14-5 (OL 1)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

## CEILING VERSUS VISIBILITY

23792 HAMILTON AFB CALIF/SAN RAFAEL

39-70

YEARS

VAR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS (24)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING ≥ 20000	50.8	55.0	55.5	55.7	55.9	55.9	56.0	56.0	56.0	56.1	56.1	56.1	56.2	56.2	56.3	56.6
IV ≥ 18000	58.5	62.9	64.5	64.8	65.0	65.1	65.2	65.3	65.3	65.4	65.4	65.4	65.5	65.5	65.7	65.9
IV ≥ 16000	58.8	64.2	64.8	65.1	65.4	65.4	65.5	65.6	65.6	65.7	65.7	65.7	65.8	65.9	66.0	66.2
IV ≥ 14000	59.2	64.7	65.3	65.6	65.9	65.9	66.1	66.1	66.1	66.2	66.3	66.3	66.4	66.4	66.5	66.7
IV ≥ 12000	60.5	66.1	66.7	67.1	67.3	67.3	67.5	67.5	67.5	67.6	67.7	67.7	67.8	67.8	67.9	68.1
IV ≥ 10000	62.1	67.8	68.5	68.8	69.1	69.1	69.2	69.3	69.3	69.4	69.4	69.4	69.5	69.5	69.7	69.9
IV ≥ 9000	63.5	69.4	70.1	70.4	70.7	70.7	70.9	70.9	70.9	71.0	71.1	71.1	71.2	71.2	71.3	71.6
IV ≥ 8000	64.0	69.9	70.6	71.0	71.3	71.3	71.4	71.5	71.5	71.6	71.6	71.7	71.7	71.8	71.9	72.1
IV ≥ 7000	64.8	70.3	71.5	71.9	72.2	72.2	72.4	72.4	72.4	72.6	72.6	72.6	72.7	72.7	72.9	73.1
IV ≥ 6000	65.6	71.8	72.5	72.9	73.2	73.2	73.3	73.4	73.4	73.5	73.5	73.6	73.7	73.7	73.8	74.0
IV ≥ 5000	66.4	72.7	73.4	73.8	74.1	74.1	74.3	74.3	74.3	74.5	74.5	74.5	74.6	74.6	74.8	75.0
IV ≥ 4500	67.5	74.0	74.8	75.2	75.5	75.5	75.6	75.7	75.7	75.8	75.9	75.9	76.0	76.0	76.1	76.4
IV ≥ 4000	68.2	74.7	75.5	75.9	76.2	76.3	76.4	76.5	76.5	76.6	76.6	76.6	76.7	76.8	76.9	77.1
IV ≥ 3500	69.5	76.3	77.1	77.6	77.9	77.9	78.1	78.1	78.1	78.3	78.3	78.3	78.4	78.4	78.6	78.8
IV ≥ 3000	70.7	77.8	78.6	79.1	79.4	79.4	79.6	79.6	79.6	79.7	79.8	79.8	79.9	79.9	80.0	80.3
IV ≥ 2500	72.7	80.1	81.0	81.5	81.8	81.9	82.0	82.0	82.1	82.2	82.2	82.2	82.3	82.3	82.5	82.7
IV ≥ 2000	75.1	82.9	83.9	84.4	84.8	84.8	85.0	85.0	85.1	85.2	85.2	85.2	85.3	85.3	85.5	85.7
IV ≥ 1800	77.7	86.3	87.4	88.1	88.5	88.6	88.8	88.8	89.0	89.0	89.0	89.0	89.1	89.2	89.3	89.5
IV ≥ 1500	78.3	87.1	88.3	89.0	89.4	89.4	89.6	89.7	89.7	89.9	89.9	89.9	90.0	90.1	90.2	90.4
IV ≥ 1200	79.7	89.1	90.4	91.2	91.7	91.8	92.1	92.2	92.2	92.3	92.4	92.4	92.5	92.5	92.6	92.8
IV ≥ 1000	80.5	90.5	92.1	93.0	93.8	93.9	94.2	94.3	94.4	94.5	94.6	94.6	94.7	94.7	94.8	95.1
IV ≥ 900	80.9	91.4	93.1	94.3	95.2	95.4	95.8	95.9	95.9	96.1	96.1	96.1	96.3	96.3	96.4	96.6
IV ≥ 800	81.1	91.8	93.6	94.8	95.9	96.0	96.5	96.7	96.7	96.9	96.9	96.9	97.0	97.0	97.2	97.4
IV ≥ 700	81.2	92.1	93.9	95.3	96.5	96.6	97.1	97.3	97.4	97.6	97.6	97.6	97.7	97.7	97.9	98.1
IV ≥ 600	81.4	92.4	94.2	95.6	96.8	97.0	97.6	97.8	97.8	98.0	98.1	98.1	98.2	98.2	98.3	98.6
IV ≥ 500	81.6	92.5	94.4	95.9	97.1	97.3	97.9	98.1	98.1	98.4	98.4	98.4	98.5	98.6	98.7	98.9
IV ≥ 400	81.5	92.6	94.5	96.0	97.3	97.5	98.1	98.4	98.4	98.7	98.7	98.7	98.8	98.9	99.0	99.2
IV ≥ 300	81.5	92.6	94.6	96.1	97.4	97.6	98.3	98.5	98.6	98.8	98.8	98.9	99.0	99.1	99.2	99.4
IV ≥ 200	81.5	92.7	94.6	96.2	97.5	97.7	98.4	98.6	98.6	98.9	99.0	99.1	99.1	99.2	99.3	99.6
IV ≥ 100	81.5	92.7	94.6	96.2	97.5	97.7	98.4	98.6	98.7	99.0	99.1	99.1	99.2	99.3	99.5	99.8
IV ≥ 0	81.5	92.7	94.6	96.2	97.5	97.7	98.4	98.6	98.7	99.0	99.1	99.1	99.2	99.3	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS

23792

USAF ETAC FORM 0-14.5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

APR  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	56.0	61.2	61.6	61.9	62.0	62.0	62.1	62.1	62.1	62.3	62.3	62.3	62.4	62.4	62.5	62.5
≥20000	64.5	71.0	71.6	71.9	72.1	72.1	72.2	72.3	72.3	72.4	72.5	72.5	72.5	72.5	72.6	72.7
IV 18000	64.8	71.3	71.9	72.2	72.4	72.4	72.5	72.6	72.6	72.7	72.8	72.8	72.8	72.8	72.9	73.0
IV 16000	65.2	71.7	72.3	72.6	72.8	72.8	72.9	73.0	73.0	73.1	73.2	73.2	73.2	73.2	73.3	73.4
IV 14000	66.4	73.0	73.6	74.0	74.2	74.2	74.3	74.3	74.3	74.5	74.5	74.5	74.6	74.6	74.7	74.8
IV 12000	67.6	74.3	74.9	75.3	75.5	75.5	75.6	75.6	75.6	75.8	75.8	75.8	75.9	75.9	76.0	76.1
IV 10000	68.7	75.5	76.1	76.4	76.6	76.6	76.7	76.8	76.8	76.9	77.0	77.0	77.0	77.0	77.1	77.2
IV 9000	69.0	75.8	76.4	76.7	76.9	76.9	77.0	77.1	77.1	77.2	77.3	77.3	77.4	77.4	77.5	77.5
IV 8000	69.6	76.5	77.1	77.4	77.6	77.6	77.7	77.8	77.8	77.9	78.0	78.0	78.0	78.0	78.1	78.2
IV 7000	70.3	77.2	77.8	78.2	78.3	78.4	78.5	78.5	78.5	78.7	78.7	78.7	78.8	78.8	78.9	79.0
IV 6000	70.9	77.8	78.4	78.8	78.9	79.0	79.1	79.1	79.1	79.3	79.3	79.3	79.4	79.4	79.5	79.6
IV 5000	71.7	78.7	79.4	79.7	79.9	80.0	80.0	80.1	80.1	80.3	80.3	80.3	80.4	80.4	80.5	80.6
IV 4500	72.2	79.3	79.9	80.3	80.5	80.5	80.6	80.7	80.7	80.8	80.9	80.9	80.9	80.9	81.0	81.1
IV 4000	73.3	80.4	81.1	81.5	81.6	81.7	81.8	81.8	81.8	82.0	82.0	82.0	82.1	82.1	82.2	82.3
IV 3500	74.4	81.7	82.3	82.7	82.9	82.9	83.0	83.1	83.1	83.2	83.3	83.3	83.3	83.3	83.4	83.5
IV 3000	76.3	83.8	84.5	84.9	85.1	85.2	85.2	85.3	85.3	85.5	85.5	85.5	85.6	85.6	85.7	85.8
IV 2500	78.5	86.5	87.2	87.6	87.8	87.9	88.0	88.0	88.0	88.2	88.2	88.2	88.3	88.3	88.4	88.5
IV 2000	80.9	89.4	90.2	90.7	90.9	90.9	91.0	91.1	91.1	91.3	91.3	91.3	91.4	91.4	91.5	91.6
IV 1800	81.4	90.0	90.9	91.3	91.6	91.7	91.8	91.8	91.8	92.0	92.0	92.0	92.1	92.1	92.2	92.3
IV 1500	82.6	91.7	92.7	93.2	93.5	93.6	93.8	93.8	93.8	94.0	94.0	94.0	94.1	94.1	94.2	94.3
IV 1200	83.6	93.2	94.3	95.0	95.4	95.4	95.6	95.7	95.7	95.9	95.9	95.9	96.0	96.0	96.1	96.2
IV 1000	84.1	94.2	95.3	96.1	96.6	96.7	96.9	97.0	97.0	97.2	97.2	97.2	97.3	97.3	97.4	97.5
IV 900	84.3	94.5	95.7	96.5	97.0	97.1	97.4	97.5	97.5	97.7	97.7	97.7	97.8	97.8	97.9	98.0
IV 800	84.4	94.8	96.0	96.9	97.5	97.6	97.8	98.0	98.0	98.1	98.2	98.2	98.3	98.3	98.4	98.5
IV 700	84.4	95.0	96.3	97.2	97.7	97.9	98.1	98.3	98.3	98.4	98.5	98.5	98.6	98.6	98.7	98.8
IV 600	84.5	95.1	96.5	97.4	98.0	98.1	98.4	98.6	98.6	98.8	98.9	98.9	99.0	99.0	99.1	99.2
IV 500	84.6	95.2	96.6	97.5	98.2	98.4	98.7	98.9	98.9	99.1	99.2	99.2	99.3	99.3	99.4	99.5
IV 400	84.6	95.2	96.6	97.6	98.3	98.5	98.8	99.0	99.0	99.2	99.3	99.3	99.4	99.4	99.5	99.6
IV 300	84.6	95.3	96.6	97.6	98.3	98.5	98.8	99.0	99.0	99.3	99.4	99.4	99.5	99.5	99.6	99.7
IV 200	84.6	95.3	96.6	97.6	98.4	98.5	98.9	99.1	99.1	99.3	99.4	99.5	99.6	99.6	99.7	99.8
IV 100	84.6	95.3	96.6	97.6	98.4	98.5	98.9	99.1	99.1	99.3	99.5	99.5	99.6	99.6	99.7	99.9
IV 0	84.6	95.3	96.6	97.6	98.4	98.5	98.9	99.1	99.1	99.3	99.5	99.5	99.6	99.6	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 23020

USAF ETAC

FORM  
JUL 64

0-14-5 (OL 1)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23211 STATION HAMILTON AFB CALIF/SAN RAFAEL 39-70 YEARS MAY MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	59.7	60.4	66.8	66.9	67.1	67.1	67.1	67.1	67.1	67.1	67.2	67.2	67.2	67.2	67.3	67.4
IV 18000	66.7	74.3	74.6	74.8	75.0	75.0	75.0	75.0	75.0	75.1	75.1	75.1	75.1	75.2	75.2	75.3
IV 16000	67.0	74.6	75.0	75.1	75.3	75.3	75.3	75.3	75.3	75.4	75.4	75.4	75.4	75.5	75.5	75.6
IV 14000	67.3	74.9	75.3	75.4	75.6	75.6	75.6	75.6	75.6	75.7	75.7	75.7	75.7	75.8	75.8	75.9
IV 12000	68.2	75.8	76.2	76.4	76.5	76.5	76.6	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.8	76.9
IV 10000	69.1	76.7	77.1	77.3	77.5	77.5	77.5	77.5	77.5	77.6	77.6	77.6	77.6	77.7	77.7	77.8
IV 9000	70.1	77.8	78.2	78.4	78.5	78.5	78.6	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.8	78.9
IV 8000	70.4	78.0	78.4	78.6	78.8	78.8	78.8	78.8	78.8	78.9	78.9	78.9	78.9	79.0	79.0	79.1
IV 7000	70.8	78.5	78.9	79.1	79.3	79.3	79.3	79.3	79.3	79.4	79.4	79.4	79.4	79.5	79.5	79.6
IV 6000	71.1	78.8	79.2	79.4	79.5	79.6	79.6	79.6	79.6	79.7	79.7	79.7	79.7	79.8	79.8	79.9
IV 5000	71.4	79.1	79.5	79.7	79.9	79.9	79.9	79.9	79.9	80.0	80.0	80.0	80.0	80.1	80.1	80.2
IV 4500	71.7	79.6	80.0	80.2	80.3	80.3	80.3	80.3	80.4	80.4	80.5	80.5	80.5	80.5	80.6	80.6
IV 4000	72.0	79.8	80.3	80.5	80.6	80.6	80.6	80.7	80.7	80.7	80.8	80.8	80.8	80.8	80.9	80.9
IV 3500	72.6	80.5	80.9	81.1	81.3	81.3	81.3	81.3	81.4	81.4	81.4	81.5	81.5	81.5	81.6	81.6
IV 3000	73.5	81.4	81.9	82.1	82.2	82.2	82.2	82.3	82.3	82.3	82.4	82.4	82.4	82.4	82.5	82.5
IV 2500	75.0	83.1	83.5	83.7	83.8	83.9	83.9	83.9	83.9	84.0	84.0	84.0	84.0	84.1	84.1	84.2
IV 2000	77.1	85.3	85.8	86.0	86.1	86.1	86.1	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.4	86.5
IV 1800	80.0	88.4	88.9	89.1	89.3	89.3	89.3	89.4	89.4	89.5	89.5	89.5	89.5	89.5	89.6	89.7
IV 1500	80.7	89.2	89.7	90.0	90.1	90.1	90.1	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.4	90.5
IV 1200	82.7	91.6	92.1	92.4	92.6	92.6	92.6	92.6	92.7	92.7	92.7	92.7	92.8	92.8	92.8	92.9
IV 1000	84.8	94.2	94.8	95.1	95.3	95.3	95.3	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.6	95.7
IV 900	85.8	95.7	96.3	96.6	96.9	96.9	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.2	97.2	97.3
IV 800	86.2	96.2	96.9	97.2	97.5	97.5	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.8	97.8	97.9
IV 700	86.5	96.8	97.5	97.9	98.2	98.2	98.3	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.6	98.7
IV 600	86.6	97.0	97.7	98.2	98.5	98.5	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.9	98.9	99.0
IV 500	86.7	97.2	98.0	98.4	98.8	98.8	98.9	99.0	99.0	99.1	99.2	99.2	99.2	99.2	99.3	99.4
IV 400	86.7	97.3	98.1	98.6	98.9	99.0	99.1	99.2	99.2	99.3	99.3	99.4	99.4	99.5	99.5	99.6
IV 300	86.8	97.3	98.1	98.6	99.1	99.1	99.2	99.3	99.3	99.4	99.4	99.5	99.5	99.6	99.6	99.7
IV 200	86.8	97.3	98.1	98.6	99.1	99.1	99.2	99.3	99.4	99.4	99.5	99.5	99.6	99.6	99.7	99.8
IV 100	86.8	97.3	98.1	98.6	99.1	99.1	99.2	99.3	99.4	99.4	99.5	99.5	99.6	99.6	99.7	99.8
IV 0	86.8	97.3	98.1	98.6	99.1	99.1	99.2	99.3	99.4	99.4	99.5	99.5	99.6	99.6	99.7	99.8

TOTAL NUMBER OF OBSERVATIONS 23786

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

23211 HAMILTON AFB CALIF/SAN RAFAEL 39-40-42-70

YEARS

JUN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
YEARS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	68.1	74.4	75.0	75.0	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 20000	73.3	80.7	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.1	81.1
IV 18000	73.5	80.9	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 16000	73.7	81.1	81.3	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 14000	74.2	81.7	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 12000	74.8	82.4	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 10000	75.4	83.1	83.3	83.3	83.3	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 9000	75.6	83.2	83.4	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
IV 8000	75.7	83.4	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8
IV 7000	76.0	83.7	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.1	84.1
IV 6000	76.1	83.9	84.1	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.3	84.3
IV 5000	76.3	84.0	84.2	84.3	84.3	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IV 4500	76.4	84.2	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.6
IV 4000	76.8	84.6	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	85.0	85.0
IV 3500	77.2	85.0	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.4	85.4
IV 3000	78.0	85.9	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.3	86.3
IV 2500	79.2	87.2	87.4	87.5	87.5	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 2000	81.1	89.2	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.6	89.6	89.6	89.6	89.6	89.6
IV 1800	82.0	90.1	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5
IV 1500	84.1	92.4	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9
IV 1200	86.3	94.9	95.2	95.3	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 1000	87.6	96.5	96.8	96.9	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 900	88.1	97.2	97.5	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 800	88.7	98.1	98.4	98.5	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 700	88.9	98.6	98.9	99.0	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3
IV 600	89.1	98.9	99.3	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7
IV 500	89.2	99.0	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	89.2	99.1	99.4	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
IV 300	89.2	99.1	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0
IV 200	89.2	99.1	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0
IV 100	89.2	99.1	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0
IV 0	89.2	99.1	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 22296

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23211 HAMILTON AFB CALIF/SAN RAFAEL

39-70

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	70.9	79.6	79.9	80.0	80.1	80.1	80.1	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.3	80.3
IV 20000	74.5	83.8	84.1	84.2	84.3	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.5	84.5	84.5
IV 18000	74.6	83.9	84.2	84.3	84.4	84.4	84.4	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.6	84.6
IV 16000	74.8	84.1	84.4	84.5	84.6	84.6	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.8	84.8
IV 14000	75.3	84.7	85.0	85.1	85.2	85.2	85.2	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.4	85.4
IV 12000	75.9	85.3	85.6	85.8	85.8	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	86.0	86.0	86.0
IV 10000	76.2	85.6	85.9	86.1	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.3	86.3	86.3
IV 9000	76.3	85.7	86.0	86.1	86.2	86.2	86.2	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.4	86.4
IV 8000	76.4	85.8	86.1	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.5	86.5	86.5
IV 7000	76.4	85.9	86.2	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.5	86.5	86.5	86.5	86.6	86.6
IV 6000	76.4	85.9	86.2	86.3	86.4	86.4	86.4	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.6	86.6
IV 5000	76.5	85.9	86.2	86.4	86.4	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.6	86.6	86.6
IV 4500	76.5	86.0	86.2	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.6	86.6	86.6	86.6	86.6
IV 4000	76.5	86.0	86.3	86.4	86.5	86.5	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.7	86.7	86.7
IV 3500	76.6	86.0	86.3	86.5	86.5	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.7	86.7	86.7
IV 3000	76.7	86.1	86.4	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8
IV 2500	76.9	86.4	86.7	86.8	86.9	86.9	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.1	87.1
IV 2000	77.5	87.0	87.3	87.4	87.5	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.7	87.7	87.7
IV 1800	77.7	87.3	87.5	87.7	87.8	87.8	87.8	87.8	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9
IV 1500	78.8	88.3	88.6	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	89.0	89.0	89.0
IV 1200	80.8	90.7	91.0	91.2	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.4	91.4	91.4
IV 1000	82.7	93.0	93.4	93.5	93.6	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.8	93.8	93.8
IV 900	83.8	94.4	94.7	94.9	95.0	95.0	95.0	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.2	95.2
IV 800	85.0	96.0	96.4	96.6	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.9	96.9	96.9
IV 700	85.8	97.3	97.8	98.0	98.2	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.4	98.4
IV 600	86.1	97.7	98.4	98.8	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1
IV 500	86.2	98.2	98.7	99.1	99.3	99.3	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.6	99.6
IV 400	86.2	98.2	98.8	99.3	99.5	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8
IV 300	86.2	98.2	98.8	99.3	99.6	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9
IV 200	86.2	98.2	98.8	99.3	99.6	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9
IV 100	86.2	98.2	98.8	99.3	99.6	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	100.0
IV 0	86.2	98.2	98.8	99.3	99.6	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 23789

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

## CEILING VERSUS VISIBILITY

22211

HAMILTON AFB CALIF/SAN RAFAEL

39-70

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

FOUR TEST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	66.9	75.8	76.2	76.4	76.5	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.7	76.7	76.8
IV 20000	71.1	80.7	81.1	81.3	81.4	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.6	81.6	81.7
IV 18000	71.2	80.8	81.2	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.7	81.7	81.8
IV 16000	71.3	81.0	81.4	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.8	81.8	81.8	81.8	81.9	81.9
IV 14000	72.3	82.0	82.4	82.6	82.7	82.7	82.7	82.7	82.7	82.8	82.8	82.8	82.8	82.8	82.9	82.9
IV 12000	73.0	82.8	83.1	83.4	83.5	83.5	83.5	83.5	83.5	83.6	83.6	83.6	83.6	83.6	83.7	83.7
IV 10000	73.4	83.1	83.5	83.8	83.9	83.9	83.9	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.1
IV 9000	73.5	83.3	83.7	84.0	84.1	84.1	84.1	84.1	84.1	84.2	84.2	84.2	84.2	84.2	84.3	84.3
IV 8000	73.7	83.5	84.0	84.2	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.5	84.5	84.6
IV 7000	73.8	83.7	84.1	84.3	84.5	84.5	84.5	84.5	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.7
IV 6000	73.8	83.7	84.1	84.4	84.5	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.7	84.7	84.8
IV 5000	73.9	83.7	84.1	84.4	84.5	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.7	84.7	84.8
IV 4500	73.9	83.8	84.2	84.4	84.6	84.6	84.6	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.8	84.8
IV 4000	74.0	83.9	84.3	84.6	84.7	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.9	85.0
IV 3500	74.1	84.0	84.4	84.6	84.8	84.8	84.8	84.8	84.8	84.9	84.9	84.9	84.9	84.9	85.0	85.0
IV 3000	74.4	84.3	84.7	85.0	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.3	85.3	85.4
IV 2500	74.8	84.8	85.2	85.5	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.8	85.8	85.9
IV 2000	75.5	85.5	85.9	86.2	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.5	86.5	86.6
IV 1800	75.8	85.9	86.3	86.5	86.7	86.7	86.7	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.9	86.9
IV 1500	76.7	86.9	87.3	87.6	87.7	87.7	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.9	88.0
IV 1200	76.4	88.9	89.4	89.6	89.8	89.8	89.8	89.8	89.8	89.9	89.9	89.9	89.9	89.9	90.0	90.0
IV 1000	80.2	91.2	91.7	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.3	92.3	92.4
IV 900	81.2	92.7	93.1	93.4	93.6	93.6	93.6	93.6	93.6	93.7	93.7	93.7	93.7	93.8	93.8	93.9
IV 800	82.3	94.2	94.7	95.0	95.2	95.2	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.4	95.5
IV 700	83.1	95.5	96.0	96.5	96.7	96.7	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.9	96.9
IV 600	83.7	96.5	97.2	97.7	97.9	97.9	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.2	98.2	98.3
IV 500	84.0	97.0	97.7	98.3	98.6	98.6	98.7	98.7	98.7	98.8	98.9	98.9	98.9	98.9	99.0	99.1
IV 400	84.0	97.1	97.9	98.5	98.9	98.9	99.0	99.0	99.0	99.1	99.2	99.2	99.2	99.2	99.3	99.4
IV 300	84.0	97.2	98.0	98.7	99.0	99.0	99.1	99.2	99.2	99.4	99.4	99.4	99.4	99.5	99.5	99.7
IV 200	84.0	97.2	98.0	98.7	99.0	99.1	99.2	99.2	99.3	99.5	99.5	99.5	99.5	99.6	99.7	99.8
IV 100	84.0	97.2	98.0	98.7	99.0	99.1	99.2	99.3	99.3	99.5	99.5	99.5	99.5	99.6	99.7	99.9
IV 0	84.0	97.2	98.0	98.7	99.0	99.1	99.2	99.3	99.3	99.5	99.5	99.5	99.5	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS

23801

USAF ETAC

FORM  
JUL 64

0-14-5 (OL 1)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23211 HAMILTON AFB CALIF/SAN RAFAEL

19-70

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING ≥ 20000	61.9	75.4	76.5	77.3	77.7	77.7	77.9	77.9	77.9	78.1	78.2	78.2	78.3	78.3	78.4	78.6
IV 18000	65.9	80.8	81.9	82.9	83.3	83.4	83.6	83.7	83.7	83.9	83.9	83.9	84.0	84.0	84.2	84.3
IV 16000	66.1	81.1	82.2	83.2	83.6	83.7	83.9	84.0	84.0	84.2	84.2	84.2	84.3	84.3	84.5	84.6
IV 14000	66.6	81.6	82.8	83.8	84.2	84.3	84.5	84.5	84.6	84.8	84.8	84.8	84.9	84.9	85.1	85.2
IV 12000	67.6	82.6	83.7	84.7	85.1	85.2	85.4	85.5	85.5	85.7	85.8	85.8	85.9	85.9	86.0	86.1
IV 10000	67.6	82.9	84.1	85.1	85.5	85.6	85.8	85.9	85.9	86.1	86.2	86.2	86.3	86.3	86.4	86.5
IV 9000	67.8	83.2	84.3	85.3	85.8	85.8	86.1	86.1	86.1	86.3	86.4	86.4	86.5	86.5	86.6	86.8
IV 8000	68.1	83.5	84.6	85.6	86.1	86.1	86.4	86.4	86.4	86.6	86.7	86.7	86.8	86.8	86.9	87.1
IV 7000	68.3	83.7	84.8	85.8	86.3	86.3	86.5	86.6	86.6	86.8	86.9	86.9	87.0	87.0	87.1	87.3
IV 6000	68.4	83.8	85.0	86.0	86.4	86.5	86.7	86.7	86.8	87.0	87.0	87.0	87.1	87.1	87.3	87.4
IV 5000	68.6	84.0	85.2	86.1	86.6	86.6	86.9	86.9	86.9	87.1	87.2	87.2	87.3	87.3	87.5	87.6
IV 4500	68.6	84.1	85.2	86.2	86.6	86.7	86.9	87.0	87.0	87.2	87.3	87.3	87.4	87.4	87.5	87.7
IV 4000	68.8	84.2	85.4	86.3	86.8	86.9	87.1	87.1	87.1	87.4	87.4	87.4	87.5	87.5	87.7	87.8
IV 3500	69.0	84.4	85.6	86.6	87.0	87.1	87.3	87.4	87.4	87.6	87.7	87.7	87.8	87.9	87.9	88.0
IV 3000	69.5	84.9	86.1	87.1	87.5	87.6	87.8	87.9	87.9	88.1	88.2	88.2	88.3	88.3	88.4	88.6
IV 2500	70.1	85.6	86.8	87.8	88.2	88.3	88.5	88.6	88.6	88.8	88.9	88.9	89.0	89.0	89.1	89.3
IV 2000	71.5	87.2	88.3	89.3	89.8	89.8	90.1	90.1	90.1	90.3	90.4	90.4	90.5	90.5	90.6	90.8
IV 1800	72.1	87.8	89.0	90.0	90.4	90.5	90.7	90.8	90.8	91.0	91.1	91.1	91.2	91.2	91.3	91.5
IV 1500	73.5	89.3	90.5	91.5	92.0	92.0	92.3	92.3	92.3	92.5	92.6	92.6	92.7	92.7	92.9	93.0
IV 1200	74.7	90.9	92.1	93.2	93.7	93.7	94.0	94.0	94.0	94.2	94.3	94.3	94.4	94.4	94.5	94.7
IV 1000	75.5	92.0	93.3	94.4	94.9	95.0	95.2	95.3	95.3	95.5	95.6	95.6	95.7	95.7	95.8	96.0
IV 900	75.9	92.7	94.0	95.1	95.6	95.7	95.9	96.0	96.0	96.2	96.3	96.3	96.4	96.4	96.5	96.7
IV 800	76.3	93.4	94.7	95.8	96.4	96.5	96.8	96.8	96.8	97.0	97.1	97.1	97.2	97.2	97.4	97.5
IV 700	76.5	93.8	95.2	96.4	97.0	97.1	97.4	97.4	97.4	97.7	97.7	97.7	97.8	97.8	98.0	98.1
IV 600	76.6	94.2	95.6	96.8	97.5	97.5	97.8	97.9	97.9	98.1	98.2	98.2	98.3	98.3	98.5	98.6
IV 500	76.7	94.4	95.9	97.2	97.9	98.0	98.3	98.3	98.4	98.6	98.7	98.7	98.8	98.8	98.9	99.1
IV 400	76.7	94.5	96.0	97.3	98.0	98.1	98.5	98.5	98.6	98.8	98.9	98.9	99.0	99.0	99.2	99.3
IV 300	76.7	94.5	96.0	97.4	98.1	98.2	98.6	98.7	98.7	99.0	99.1	99.1	99.3	99.3	99.4	99.6
IV 200	76.7	94.5	96.0	97.4	98.1	98.3	98.7	98.8	98.8	99.1	99.2	99.3	99.4	99.4	99.6	99.8
IV 100	76.7	94.5	96.0	97.4	98.2	98.3	98.7	98.8	98.8	99.2	99.3	99.3	99.5	99.5	99.7	99.9
IV 0	76.7	94.5	96.0	97.4	98.2	98.3	98.7	98.8	98.8	99.2	99.3	99.3	99.5	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 23008



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

23211 HAMILTON AFB CALIF/SAN RAFAEL

39-70

UCT

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS 1151

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	53.5	64.7	66.6	67.8	68.7	68.8	69.2	69.3	69.3	69.6	69.6	69.6	69.8	69.8	70.1	70.3
≥ 20000	57.3	70.0	72.1	73.6	74.6	74.7	75.2	75.3	75.4	75.7	75.8	75.8	76.0	76.0	76.1	76.5
IV 18000	57.6	70.3	72.4	73.9	74.9	75.1	75.5	75.6	75.7	76.0	76.1	76.1	76.3	76.4	76.6	76.9
IV 16000	57.9	70.8	72.8	74.3	75.3	75.5	75.9	76.1	76.1	76.5	76.6	76.6	76.8	76.8	77.0	77.3
IV 14000	58.7	71.8	73.9	75.4	76.4	76.6	77.0	77.2	77.2	77.5	77.6	77.7	77.8	77.9	78.1	78.4
IV 12000	60.0	73.3	75.4	76.9	77.9	78.1	78.6	78.7	78.8	79.1	79.2	79.2	79.4	79.4	79.7	79.9
IV 10000	60.6	74.1	76.3	77.9	79.0	79.2	79.6	79.8	79.8	80.1	80.2	80.2	80.4	80.5	80.7	81.0
IV 9000	60.7	74.3	76.5	78.1	79.1	79.3	79.8	79.9	80.0	80.3	80.4	80.4	80.6	80.6	80.9	81.2
IV 8000	61.1	74.6	76.9	78.5	79.6	79.7	80.2	80.4	80.4	80.7	80.8	80.8	81.0	81.1	81.3	81.6
IV 7000	61.4	75.0	77.2	78.9	79.9	80.1	80.5	80.7	80.7	81.1	81.2	81.2	81.4	81.4	81.7	81.9
IV 6000	61.7	75.3	77.6	79.3	80.3	80.5	80.9	81.1	81.1	81.5	81.6	81.6	81.8	81.8	82.1	82.3
IV 5000	62.1	75.8	78.1	79.8	80.9	81.1	81.5	81.7	81.7	82.1	82.2	82.2	82.4	82.4	82.6	82.9
IV 4500	62.3	76.1	78.4	80.1	81.2	81.4	81.9	82.0	82.1	82.4	82.5	82.5	82.7	82.8	83.0	83.3
IV 4000	62.7	76.7	79.0	80.7	81.9	82.0	82.5	82.7	82.7	83.1	83.2	83.2	83.4	83.4	83.6	83.9
IV 3500	63.1	77.1	79.5	81.2	82.4	82.6	83.0	83.2	83.2	83.6	83.7	83.7	83.9	83.9	84.2	84.4
IV 3000	63.9	78.1	80.5	82.3	83.4	83.6	84.1	84.3	84.3	84.6	84.8	84.8	84.9	85.0	85.2	85.5
IV 2500	64.9	79.4	81.8	83.6	84.8	85.0	85.4	85.6	85.6	86.0	86.1	86.1	86.3	86.3	86.6	86.9
IV 2000	66.3	81.4	83.9	85.7	87.0	87.2	87.7	87.9	87.9	88.3	88.4	88.4	88.6	88.6	88.8	89.1
IV 1800	66.9	82.1	84.7	86.6	87.9	88.1	88.6	88.8	88.8	89.2	89.3	89.3	89.5	89.5	89.7	90.0
IV 1500	67.9	83.5	86.2	88.1	89.5	89.7	90.3	90.5	90.5	90.9	91.0	91.0	91.2	91.2	91.5	91.8
IV 1200	68.8	85.0	87.7	89.8	91.2	91.5	92.1	92.3	92.3	92.7	92.8	92.8	93.0	93.1	93.3	93.6
IV 1000	69.3	85.8	88.7	90.8	92.4	92.6	93.2	93.5	93.6	94.0	94.1	94.1	94.3	94.3	94.6	94.8
IV 900	69.6	86.1	89.0	91.2	92.8	93.1	93.8	94.1	94.1	94.5	94.6	94.7	94.9	94.9	95.1	95.4
IV 800	69.6	86.5	89.5	91.9	93.5	93.8	94.5	94.8	94.5	95.3	95.4	95.4	95.6	95.6	95.9	96.2
IV 700	69.7	86.8	89.9	92.3	94.0	94.3	95.0	95.3	95.4	95.8	95.9	95.9	96.1	96.2	96.4	96.7
IV 600	69.8	87.0	90.2	92.6	94.4	94.7	95.5	95.8	95.9	96.3	96.4	96.4	96.7	96.7	96.9	97.2
IV 500	69.8	87.2	90.4	92.9	94.7	95.1	95.9	96.3	96.3	96.8	96.9	96.9	97.1	97.2	97.4	97.7
IV 400	69.9	87.3	90.4	93.0	94.9	95.3	96.2	96.6	96.6	97.1	97.2	97.2	97.5	97.6	97.8	98.1
IV 300	69.9	87.3	90.5	93.1	95.1	95.5	96.4	96.8	96.9	97.3	97.6	97.6	97.9	98.0	98.2	98.5
IV 200	69.9	87.3	90.5	93.2	95.2	95.6	96.5	96.9	97.0	97.7	97.8	97.8	98.1	98.2	98.5	98.8
IV 100	69.9	87.3	90.5	93.2	95.2	95.6	96.5	97.0	97.1	97.7	97.9	97.9	98.3	98.4	98.8	99.1
IV 0	69.9	87.3	90.5	93.2	95.2	95.6	96.5	97.0	97.1	97.7	97.9	98.0	98.4	98.5	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 23785

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

23211

HAMILTON AFB CALIF/SAN RAFAEL

19-70

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥1/8	≥0
NO CEILING ≥ 20000	36.1	47.2	50.0	51.9	53.8	54.1	54.8	55.0	55.0	55.5	55.7	55.7	56.0	56.0	56.4	56.9
IV 18000	40.2	53.2	56.5	59.1	61.2	61.5	62.3	62.6	62.6	63.2	63.4	63.4	63.7	63.8	64.2	64.7
IV 16000	40.5	53.6	57.0	59.5	61.7	62.0	62.8	63.1	63.1	63.8	63.9	64.0	64.2	64.3	64.7	65.3
IV 14000	40.8	54.1	57.5	60.1	62.3	62.7	63.5	63.7	63.8	64.4	64.6	64.6	64.9	65.0	65.4	65.9
IV 12000	41.6	55.3	58.7	61.5	63.8	64.2	65.0	65.2	65.3	65.9	66.1	66.1	66.4	66.5	66.9	67.4
IV 10000	43.3	57.8	61.5	64.3	67.0	67.5	68.4	68.7	68.7	69.4	69.6	69.6	69.9	70.0	70.4	71.0
IV 9000	43.6	58.2	61.9	65.0	67.5	68.0	68.9	69.2	69.2	69.9	70.1	70.1	70.4	70.5	70.9	71.5
IV 8000	44.2	59.0	62.7	66.0	68.5	69.0	70.0	70.2	70.3	71.0	71.2	71.2	71.5	71.6	72.0	72.6
IV 7000	44.6	59.5	63.3	66.5	69.1	69.6	70.6	70.9	70.9	71.6	71.8	71.8	72.1	72.2	72.6	73.2
IV 6000	45.1	60.2	64.0	67.2	69.9	70.3	71.3	71.6	71.7	72.4	72.6	72.6	72.9	73.0	73.4	73.9
IV 5000	45.8	61.0	64.8	68.1	70.8	71.3	72.3	72.6	72.7	73.4	73.6	73.6	73.9	74.0	74.3	74.9
IV 4500	46.2	61.5	65.4	68.7	71.4	71.8	72.8	73.1	73.2	73.9	74.1	74.1	74.4	74.5	74.9	75.5
IV 4000	46.8	62.3	66.3	69.6	72.3	72.8	73.8	74.1	74.2	74.9	75.1	75.1	75.4	75.5	75.9	76.5
IV 3500	47.3	63.0	66.9	70.3	73.0	73.5	74.6	74.9	74.9	75.7	75.9	75.9	76.2	76.3	76.7	77.2
IV 3000	48.7	64.6	68.6	72.1	74.8	75.3	76.4	76.7	76.7	77.5	77.6	77.7	78.0	78.1	78.4	79.0
IV 2500	49.8	66.1	70.2	73.7	76.5	77.0	78.1	78.5	78.5	79.3	79.5	79.5	79.8	79.9	80.3	80.8
IV 2000	51.2	68.4	72.7	76.3	79.3	79.8	81.0	81.3	81.4	82.2	82.4	82.4	82.7	82.8	83.2	83.8
IV 1800	51.7	69.0	73.4	77.1	80.1	80.6	81.9	82.2	82.3	83.1	83.2	83.3	83.6	83.7	84.1	84.6
IV 1500	52.6	70.4	74.9	78.8	82.0	82.6	83.8	84.2	84.3	85.1	85.3	85.4	85.7	85.8	86.2	86.8
IV 1200	53.2	71.7	76.4	80.4	83.8	84.4	85.8	86.2	86.3	87.2	87.4	87.4	87.8	87.9	88.3	88.8
IV 1000	53.5	72.5	77.4	81.7	85.4	86.0	87.5	88.0	88.1	89.0	89.2	89.3	89.6	89.7	90.1	90.7
IV 900	53.6	72.9	77.8	82.2	86.1	86.8	88.4	88.9	89.0	90.0	90.2	90.2	90.6	90.7	91.1	91.7
IV 800	53.7	73.2	78.2	82.8	86.7	87.3	89.1	89.7	89.8	90.9	91.1	91.2	91.6	91.7	92.1	92.6
IV 700	53.8	73.3	78.4	83.1	87.3	88.1	89.8	90.5	90.6	91.8	92.0	92.1	92.5	92.6	93.0	93.6
IV 600	53.8	73.5	78.6	83.4	87.6	88.5	90.3	91.0	91.1	92.4	92.7	92.7	93.2	93.2	93.7	94.2
IV 500	53.8	73.5	78.7	83.5	88.0	88.9	90.9	91.8	91.9	93.4	93.7	93.7	94.2	94.3	94.8	95.4
IV 400	53.9	73.6	78.8	83.6	88.2	89.1	91.4	92.3	92.4	94.1	94.4	94.5	95.1	95.1	95.6	96.2
IV 300	53.9	73.6	78.8	83.7	88.3	89.3	91.5	92.6	92.7	94.6	95.0	95.1	95.8	95.9	96.4	97.1
IV 200	53.9	73.6	78.8	83.7	88.3	89.3	91.6	92.6	92.8	94.8	95.3	95.4	96.1	96.2	96.9	97.7
IV 100	53.9	73.6	78.8	83.7	88.3	89.3	91.6	92.7	92.8	94.9	95.4	95.5	96.3	96.5	97.2	98.3
IV 0	53.9	73.6	78.8	83.7	88.3	89.3	91.6	92.7	92.8	94.9	95.4	95.5	96.4	96.5	97.3	100.0

TOTAL NUMBER OF OBSERVATIONS 23028

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23211 HAMILTON AFB CALIF/SAN RAFAEL 39-70

CEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	½	5/16	¼	≥0
NO CEILING	26.2	34.3	36.5	38.2	39.9	40.2	40.9	41.3	41.4	42.0	42.2	42.2	42.6	42.7	43.2	43.7
≥ 20000	29.1	38.8	41.3	43.4	45.4	45.8	46.7	47.2	47.2	47.9	48.2	48.2	48.6	48.7	49.2	49.8
IV 18000	29.3	39.2	41.7	43.8	45.9	46.2	47.1	47.6	47.7	48.4	48.6	48.6	49.1	49.1	49.7	50.2
IV 16000	29.6	39.6	42.3	44.4	46.4	46.8	47.7	48.2	48.3	49.0	49.2	49.2	49.7	49.7	50.3	50.8
IV 14000	30.0	40.5	43.3	45.5	47.6	48.0	48.9	49.4	49.5	50.2	50.4	50.5	50.9	51.0	51.5	52.1
IV 12000	30.8	41.7	44.8	47.0	49.3	49.7	50.6	51.2	51.3	52.0	52.2	52.3	52.7	52.8	53.3	53.9
IV 10000	31.3	42.6	45.7	48.0	50.5	50.9	51.9	52.4	52.5	53.2	53.5	53.5	54.0	54.1	54.6	55.2
IV 9000	31.5	42.9	46.1	48.3	50.9	51.3	52.3	52.8	52.9	53.6	53.9	53.9	54.4	54.4	55.0	55.6
IV 8000	32.0	43.7	46.9	49.3	51.8	52.3	53.2	53.8	53.9	54.6	54.9	54.9	55.4	55.5	56.0	56.6
IV 7000	32.4	44.2	47.6	50.0	52.6	53.0	54.0	54.6	54.7	55.4	55.7	55.7	56.2	56.3	56.8	57.4
IV 6000	32.8	44.8	48.2	50.7	53.3	53.8	54.7	55.3	55.4	56.2	56.5	56.5	56.9	57.0	57.5	58.1
IV 5000	33.5	45.7	49.2	51.7	54.4	54.9	55.9	56.5	56.6	57.4	57.7	57.7	58.1	58.2	58.8	59.4
IV 4500	33.9	46.2	49.7	52.3	55.0	55.5	56.6	57.2	57.3	58.1	58.3	58.4	58.8	58.9	59.4	60.0
IV 4000	34.3	47.2	50.8	53.4	56.2	56.8	57.8	58.4	58.5	59.3	59.6	59.6	60.1	60.2	60.7	61.3
IV 3500	35.0	48.0	51.7	54.3	57.2	57.7	58.8	59.5	59.6	60.4	60.7	60.7	61.1	61.2	61.8	62.4
IV 3000	36.1	49.5	53.5	56.2	59.2	59.8	60.9	61.6	61.7	62.5	62.8	62.8	63.3	63.4	63.9	64.5
IV 2500	37.2	51.2	55.2	58.1	61.3	61.8	63.0	63.7	63.8	64.6	64.9	65.0	65.4	65.5	66.1	66.7
IV 2000	38.6	53.5	57.7	60.8	64.3	65.0	66.3	67.1	67.3	68.2	68.5	68.5	69.0	69.1	69.7	70.3
IV 1800	39.0	54.2	58.4	61.6	65.2	65.8	67.2	68.0	68.2	69.1	69.4	69.5	70.0	70.1	70.6	71.2
IV 1500	39.6	55.6	60.1	63.5	67.4	68.1	69.7	70.6	70.8	71.8	72.1	72.2	72.7	72.8	73.3	73.9
IV 1200	40.3	57.4	62.2	66.1	70.5	71.3	73.0	74.1	74.3	75.4	75.8	75.9	76.4	76.5	77.0	77.6
IV 1000	40.6	58.2	63.4	67.6	72.5	73.4	75.3	76.5	76.7	78.0	78.4	78.5	79.0	79.1	79.7	80.3
IV 900	40.7	58.7	64.0	68.4	73.7	74.6	76.7	77.9	78.1	79.6	80.0	80.1	80.6	80.7	81.3	81.9
IV 800	40.9	59.1	64.6	69.3	75.1	76.1	78.4	79.9	80.2	81.8	82.3	82.3	82.9	83.0	83.6	84.2
IV 700	40.9	59.5	65.1	70.2	76.5	77.6	80.3	81.9	82.2	84.1	84.6	84.6	85.2	85.3	85.9	86.5
IV 600	41.0	59.7	65.4	70.7	77.6	79.0	82.0	83.8	84.2	86.2	86.8	86.8	87.4	87.6	88.1	88.7
IV 500	41.0	59.8	65.6	71.2	78.6	80.2	83.9	86.0	86.4	88.6	89.2	89.3	89.9	90.1	90.7	91.3
IV 400	41.0	59.8	65.7	71.4	79.2	81.0	85.2	87.6	88.1	90.6	91.3	91.4	92.1	92.2	92.8	93.5
IV 300	41.0	59.8	65.7	71.4	79.4	81.3	85.7	88.4	88.9	91.8	92.5	92.7	93.5	93.7	94.4	95.1
IV 200	41.0	59.8	65.7	71.5	79.5	81.4	85.9	88.7	89.3	92.3	93.2	93.4	94.4	94.6	95.4	96.3
IV 100	41.0	59.8	65.7	71.5	79.5	81.5	85.9	88.7	89.3	92.5	93.4	93.6	94.7	95.0	96.0	97.3
IV 0	41.0	59.8	65.7	71.5	79.5	81.5	85.9	88.7	89.3	92.5	93.4	93.6	94.8	95.1	96.3	100.0

TOTAL NUMBER OF OBSERVATIONS 23781

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

40-70  
YEARS

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	11.8	39.0	41.6	43.2	45.1	45.7	47.0	47.7	47.7	48.3	48.3	48.6	49.0	49.1	49.7	50.4
IV 18000	33.4	41.3	44.1	45.9	47.9	48.4	49.9	50.7	50.8	51.4	51.7	51.7	52.2	52.4	52.9	53.7
IV 16000	33.4	41.3	44.3	46.1	48.1	48.6	50.1	51.0	51.0	51.7	51.9	51.9	52.3	52.6	53.1	53.9
IV 14000	33.9	41.8	44.5	46.2	48.2	48.8	50.2	51.1	51.2	51.8	52.0	52.1	52.6	52.7	53.3	54.1
IV 12000	34.4	42.3	45.1	47.3	49.3	50.0	51.3	52.4	52.5	53.1	53.4	53.4	53.9	54.1	54.7	55.4
IV 10000	35.1	44.0	46.9	48.8	50.8	51.3	52.8	53.7	53.8	54.4	54.7	54.7	55.2	55.4	56.0	56.8
IV 9000	36.0	45.2	48.1	50.2	52.2	52.8	54.3	55.2	55.3	56.0	56.3	56.3	56.8	57.0	57.6	58.4
IV 8000	36.1	45.3	48.2	50.3	52.3	53.2	54.7	55.6	55.7	56.4	56.7	56.7	57.3	57.5	58.0	58.8
IV 7000	36.8	46.2	49.3	51.4	53.4	54.0	55.5	56.5	56.6	57.3	57.5	57.5	58.1	58.3	58.9	59.7
IV 6000	37.2	46.7	49.7	51.9	54.0	54.7	56.2	57.2	57.3	58.0	58.3	58.3	58.9	59.1	59.6	60.4
IV 5000	37.7	47.4	50.5	52.6	54.9	55.5	57.0	58.0	58.1	58.8	59.1	59.1	59.7	59.9	60.5	61.2
IV 4500	38.2	48.2	51.4	53.7	55.9	56.5	58.1	59.0	59.1	59.8	60.1	60.1	60.7	60.9	61.5	62.2
IV 4000	38.6	48.7	51.9	54.2	56.3	57.0	58.6	59.6	59.7	60.4	60.7	60.7	61.3	61.5	62.1	62.8
IV 3500	39.5	49.5	53.3	55.5	57.7	58.4	60.0	61.0	61.1	61.8	62.1	62.1	62.7	62.9	63.4	64.2
IV 3000	40.5	51.3	54.6	57.0	59.3	60.0	61.6	62.6	62.7	63.4	63.7	63.7	64.2	64.5	65.0	65.8
IV 2500	41.3	52.9	56.5	59.0	61.5	62.2	63.9	64.8	64.9	65.6	65.9	65.9	66.5	66.7	67.3	68.0
IV 2000	42.3	54.3	58.1	60.8	63.4	64.1	65.9	66.9	67.0	67.7	68.0	68.0	68.6	68.8	69.4	70.1
IV 1800	43.9	56.8	60.9	63.9	66.7	67.5	69.5	70.4	70.5	71.3	71.5	71.5	72.2	72.4	73.0	73.7
IV 1500	44.0	57.3	61.4	64.5	67.4	68.1	70.1	71.1	71.2	71.9	72.2	72.2	72.8	73.0	73.6	74.4
IV 1200	44.5	58.3	62.8	66.2	69.6	70.6	72.6	73.6	73.7	74.5	74.8	74.8	75.4	75.6	76.2	77.0
IV 1000	45.3	59.4	64.2	67.8	72.1	72.9	75.2	76.3	76.4	77.2	77.5	77.5	78.1	78.3	78.9	79.7
IV 900	45.5	59.8	64.7	68.5	73.3	74.1	76.5	77.7	77.8	78.7	79.0	79.1	79.7	79.9	80.5	81.3
IV 800	45.6	60.1	65.1	69.4	74.6	75.4	77.9	79.2	79.3	80.2	80.6	80.6	81.2	81.4	82.1	82.9
IV 700	45.6	60.3	65.3	70.2	75.7	76.6	79.3	80.6	80.8	82.0	82.3	82.4	83.1	83.3	83.9	84.7
IV 600	45.6	60.3	65.7	70.6	76.7	77.6	80.3	81.9	82.1	83.3	83.9	83.9	84.7	84.9	85.5	86.3
IV 500	45.6	60.7	66.1	71.1	77.7	78.7	81.9	83.6	83.8	85.3	85.7	85.7	86.5	86.7	87.3	88.1
IV 400	45.6	60.4	66.1	71.2	78.2	79.4	83.1	85.0	85.2	86.9	87.4	87.4	88.2	88.5	89.1	89.9
IV 300	45.6	60.3	66.2	71.3	78.6	79.8	83.9	86.0	86.2	88.3	89.0	89.1	89.9	90.2	90.8	91.6
IV 200	45.6	60.8	66.2	71.3	78.9	80.1	84.6	86.9	87.2	89.6	90.5	90.5	91.3	91.6	92.3	93.3
IV 100	45.6	60.8	66.2	71.3	78.9	80.1	84.7	87.2	87.6	90.3	91.4	91.5	92.8	93.0	93.8	94.7
IV 0	45.6	60.8	66.2	71.3	78.9	80.1	84.7	87.2	87.6	90.4	91.7	91.9	93.4	93.7	95.2	100.0

TOTAL NUMBER OF OBSERVATIONS 2875

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

40-70  
YEARS

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING IV 20000	28.6	35.6	37.6	39.6	40.1	40.7	41.8	42.3	42.4	43.5	43.8	43.8	44.6	44.8	45.6	46.3
IV 18000	30.1	37.5	39.7	41.2	42.3	42.9	44.1	44.7	44.7	45.9	46.2	46.2	47.1	47.3	48.1	48.8
IV 16000	30.2	37.6	39.8	41.3	42.4	43.0	44.2	44.5	44.5	46.0	46.4	46.4	47.2	47.4	48.2	48.9
IV 14000	30.9	38.4	40.7	42.2	43.3	43.9	45.1	45.7	45.8	47.0	47.3	47.4	48.3	48.5	49.2	50.0
IV 12000	31.6	39.2	41.5	43.2	44.3	44.9	46.1	46.7	46.8	48.0	48.3	48.4	49.3	49.5	50.2	51.0
IV 10000	32.3	40.1	42.6	44.2	45.4	46.0	47.3	47.9	48.0	49.2	49.5	49.6	50.5	50.7	51.4	52.2
IV 9000	32.4	40.4	42.8	44.5	45.7	46.3	47.6	48.2	48.3	49.5	49.8	49.9	50.8	51.0	51.7	52.5
IV 8000	32.9	41.0	43.5	45.2	46.5	47.1	48.3	49.0	49.0	50.2	50.6	50.6	51.5	51.7	52.5	53.2
IV 7000	33.1	41.5	44.0	45.7	47.0	47.6	48.9	49.5	49.6	50.8	51.1	51.2	52.0	52.3	53.0	53.7
IV 6000	33.7	42.3	44.8	46.6	48.0	48.5	49.8	50.5	50.6	51.7	52.1	52.1	53.0	53.2	54.0	54.8
IV 5000	34.7	43.4	46.2	48.1	49.5	50.1	51.4	52.1	52.2	53.3	53.7	53.7	54.6	54.8	55.6	56.3
IV 4500	35.0	44.0	46.7	48.6	50.0	50.6	52.0	52.7	52.7	53.9	54.3	54.3	55.2	55.4	56.2	56.9
IV 4000	35.0	45.0	47.8	49.8	51.3	51.9	53.3	54.0	54.1	55.2	55.6	55.7	56.6	56.8	57.6	58.3
IV 3500	36.4	46.4	49.3	51.3	52.8	53.4	54.8	55.5	55.6	56.8	57.1	57.2	58.1	58.3	59.1	59.9
IV 3000	37.9	48.1	51.0	53.1	54.6	55.2	56.7	57.4	57.5	58.7	59.0	59.1	60.0	60.2	61.0	61.8
IV 2500	38.8	49.5	52.6	54.8	56.3	57.1	58.6	59.3	59.4	60.6	61.0	61.1	61.9	62.1	62.9	63.7
IV 2000	40.2	51.8	55.4	57.7	60.1	60.7	62.3	63.7	63.1	64.4	64.7	64.8	65.7	65.9	66.7	67.5
IV 1800	40.5	52.3	56.0	58.3	60.8	61.4	63.0	63.7	63.8	65.1	65.5	65.6	66.4	66.7	67.5	68.3
IV 1500	41.1	53.6	57.7	60.0	62.2	63.8	65.5	66.2	66.3	67.7	68.1	68.2	69.0	69.3	70.1	70.8
IV 1200	41.8	55.0	59.3	62.0	65.1	66.4	68.4	69.3	69.4	70.8	71.1	71.2	72.1	72.3	73.1	73.9
IV 1000	42.0	55.5	59.9	62.9	67.2	67.9	70.2	71.5	71.2	72.7	73.1	73.2	74.1	74.3	75.1	75.9
IV 900	42.2	55.9	60.4	63.7	68.3	69.0	71.3	72.4	72.3	74.1	74.5	74.6	75.6	75.8	76.6	77.3
IV 800	42.3	56.1	60.8	64.4	69.5	70.3	73.1	74.2	74.4	76.1	76.5	76.6	77.6	77.8	78.6	79.3
IV 700	42.3	56.2	61.0	64.9	70.0	71.5	74.7	75.9	76.1	78.1	78.5	78.6	79.6	79.8	80.7	81.5
IV 600	42.3	56.3	61.3	65.4	71.6	72.8	76.5	78.1	78.3	80.4	80.9	81.0	82.0	82.2	83.1	83.9
IV 500	42.4	56.4	61.5	65.8	72.8	74.3	78.4	80.4	80.6	82.9	83.4	83.5	84.6	84.8	85.7	86.5
IV 400	42.4	56.4	61.5	65.8	73.3	74.9	79.4	81.5	81.7	84.6	85.0	85.1	86.4	86.6	87.5	88.3
IV 300	42.4	56.4	61.6	65.9	73.6	75.4	80.1	82.7	83.0	86.0	86.7	86.9	88.3	88.5	89.3	90.1
IV 200	42.4	56.4	61.6	65.9	73.6	75.5	80.3	82.9	83.3	86.6	87.9	88.1	89.8	90.0	91.1	92.0
IV 100	42.4	56.4	61.6	65.9	73.6	75.5	80.3	82.9	83.3	86.8	88.1	88.3	90.3	90.6	92.2	93.1
IV 0	42.4	56.4	61.6	65.9	73.6	75.5	80.3	82.9	83.3	86.8	88.1	88.4	90.3	90.6	92.2	93.1

TOTAL NUMBER OF OBSERVATIONS 2882



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

23211

HAMILTON AFB CALIF/SAN RAFAEL

40-70

YEARS

1AN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

6600-0800

MOON (ST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	23.3	28.1	29.1	30.4	31.7	32.0	33.1	33.6	33.8	34.5	35.0	35.0	35.7	35.9	36.6	38.3
≥ 20000	24.5	30.4	31.7	33.0	34.6	34.9	36.1	36.6	36.8	37.6	38.1	38.1	38.8	39.1	39.8	41.6
IV 18000	25.1	30.7	32.0	33.3	34.9	35.3	36.4	37.0	37.2	38.0	38.5	38.5	39.2	39.5	40.2	42.0
IV 16000	25.3	30.9	32.2	33.6	35.2	35.7	36.6	37.2	37.4	38.3	38.8	38.8	39.5	39.7	40.4	42.3
IV 14000	26.2	32.0	33.4	34.9	36.5	36.9	38.0	38.6	38.8	39.6	40.2	40.2	40.9	41.2	41.9	43.7
IV 12000	27.1	33.7	34.7	36.2	38.0	38.4	39.6	40.2	40.4	41.2	41.8	41.8	42.5	42.7	43.3	45.4
IV 10000	27.7	34.2	35.0	37.4	39.3	39.7	40.9	41.5	41.7	42.5	43.1	43.1	43.9	44.1	44.9	46.8
IV 9000	27.7	34.4	35.9	37.0	39.5	39.9	41.0	41.7	41.8	42.7	43.3	43.3	44.1	44.3	45.1	47.1
IV 8000	28.3	35.1	36.7	38.4	40.4	40.8	42.0	42.6	42.8	43.7	44.3	44.3	45.0	45.3	46.1	48.0
IV 7000	28.7	35.6	37.2	39.0	41.0	41.5	42.7	43.4	43.6	44.4	45.1	45.1	45.8	46.1	46.9	48.8
IV 6000	29.2	36.2	38.0	39.8	41.8	42.2	43.5	44.2	44.3	45.2	45.8	45.8	46.6	46.8	47.7	49.6
IV 5000	30.0	37.2	39.1	41.0	43.1	43.6	44.8	45.5	45.7	46.6	47.2	47.2	48.0	48.2	49.1	50.9
IV 4500	30.2	37.4	39.5	41.4	43.5	43.9	45.3	46.0	46.1	47.0	47.6	47.6	48.4	48.6	49.5	51.4
IV 4000	30.6	38.4	40.6	42.5	44.9	45.3	46.7	47.4	47.6	48.5	49.1	49.1	49.9	50.1	50.9	52.8
IV 3500	31.4	39.5	41.8	43.7	46.1	46.6	47.9	48.7	48.9	49.7	50.3	50.3	51.1	51.4	52.2	54.1
IV 3000	32.7	41.1	43.4	45.4	47.9	48.4	49.8	50.6	50.7	51.6	52.3	52.3	53.0	53.3	54.1	56.0
IV 2500	33.9	42.7	45.1	47.3	49.9	50.3	51.7	52.5	52.7	53.6	54.3	54.3	55.1	55.3	56.2	58.1
IV 2000	36.0	46.0	48.9	51.3	54.3	54.8	56.3	57.3	57.4	58.3	59.2	59.2	60.0	60.2	61.1	63.0
IV 1800	36.3	46.5	49.4	51.9	55.1	55.6	57.1	58.1	58.3	59.3	60.0	60.0	60.8	61.1	61.9	63.9
IV 1500	36.7	47.7	51.1	54.0	57.4	57.9	59.8	60.7	60.9	62.1	62.9	62.9	63.7	64.0	64.9	66.8
IV 1200	37.3	49.1	52.8	56.0	60.0	60.7	62.8	63.8	64.0	65.3	66.2	66.2	67.1	67.3	68.2	70.2
IV 1000	37.6	49.7	53.6	57.0	61.5	62.3	64.5	65.8	66.0	67.3	68.4	68.4	69.3	69.5	70.4	72.4
IV 900	37.8	50.2	54.2	57.7	62.8	63.6	66.0	67.3	67.7	69.2	70.1	70.1	71.1	71.3	72.2	74.1
IV 800	38.0	50.5	54.6	58.8	64.3	65.2	67.8	69.3	69.7	71.4	72.3	72.3	73.2	73.5	74.4	76.4
IV 700	38.0	50.6	54.9	59.7	65.6	66.6	69.6	71.4	71.7	73.6	74.5	74.5	75.5	75.7	76.7	78.7
IV 600	38.2	50.8	55.2	60.2	66.3	67.7	71.2	73.4	73.7	75.5	76.9	76.9	77.9	78.2	79.1	81.2
IV 500	38.2	50.9	55.4	60.7	67.4	68.9	73.0	75.6	76.0	78.4	79.7	79.7	80.6	81.1	82.1	84.1
IV 400	38.2	51.0	55.5	60.9	68.0	69.5	74.0	77.0	77.5	80.4	81.8	81.8	82.9	83.2	84.2	86.2
IV 300	38.2	51.0	55.5	60.9	68.5	70.0	75.0	78.3	78.9	82.4	84.0	84.1	85.3	85.8	87.0	89.0
IV 200	38.2	51.0	55.5	60.9	68.5	70.1	75.2	78.7	79.3	83.3	85.1	85.1	86.6	87.2	88.7	91.1
IV 100	38.2	51.0	55.5	60.9	68.5	70.1	75.2	78.7	79.3	83.3	85.1	85.2	87.0	87.7	89.8	93.1
IV 0	38.2	51.0	55.5	60.9	68.5	70.1	75.2	78.7	79.3	83.3	85.1	85.2	87.1	87.8	90.7	100.0

TOTAL NUMBER OF OBSERVATIONS

2882

USAF ETAC

FORM  
JUL 64

0-14-5 (OL 1)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

23211

HAMILTON AFB CALIF/SAN RAFAEL

40-70

YEARS

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	21.7	27.7	29.3	31.4	32.6	33.7	34.1	34.6	34.7	34.9	35.2	35.2	35.6	35.7	35.9	36.5
IV 20000	24.4	31.9	33.7	36.3	38.0	38.7	39.6	40.2	40.3	40.6	40.9	41.0	41.3	41.4	41.8	42.3
IV 18000	24.7	32.2	34.0	36.6	38.4	39.0	40.0	40.5	40.7	41.0	41.3	41.4	41.7	41.9	42.0	42.7
IV 16000	24.9	32.5	34.4	37.0	38.8	39.4	40.4	41.0	41.1	41.4	41.8	41.9	42.2	42.3	42.5	43.2
IV 14000	25.6	33.6	35.5	38.4	40.1	40.8	41.9	42.3	42.7	43.0	43.3	43.4	43.7	43.9	44.0	44.7
IV 12000	26.6	34.8	36.9	39.8	41.9	42.6	43.7	44.3	44.5	44.8	45.2	45.3	45.6	45.8	46.0	46.8
IV 10000	27.1	36.0	38.1	41.2	43.4	44.1	45.1	45.7	45.9	46.3	46.7	46.7	47.1	47.3	47.4	48.2
IV 9000	27.3	36.4	38.5	41.6	43.8	44.5	45.5	46.2	46.3	46.7	47.1	47.1	47.5	47.7	47.9	48.7
IV 8000	28.0	37.1	39.3	42.5	44.8	45.5	46.6	47.3	47.4	47.8	48.2	48.2	48.6	48.8	49.0	49.8
IV 7000	28.6	37.8	40.0	43.2	45.7	46.4	47.7	48.4	48.5	48.9	49.3	49.3	49.7	49.9	50.1	50.9
IV 6000	29.0	38.5	40.8	44.1	46.0	47.3	48.0	49.3	49.4	49.8	50.2	50.2	50.6	50.9	51.0	51.8
IV 5000	29.3	39.4	41.9	45.2	47.9	48.6	49.9	50.6	50.8	51.2	51.5	51.5	51.9	52.2	52.4	53.2
IV 4500	29.8	39.7	42.3	45.7	48.4	49.1	50.5	51.2	51.4	51.8	52.1	52.2	52.6	52.8	53.0	53.8
IV 4000	30.2	40.7	43.5	47.1	49.9	50.6	52.1	52.9	53.1	53.5	53.8	53.9	54.4	54.6	54.7	55.5
IV 3500	30.6	41.5	44.4	48.1	51.1	51.8	53.2	54.0	54.2	54.6	55.0	55.1	55.5	55.7	55.9	56.7
IV 3000	31.7	43.1	46.1	49.8	52.8	53.6	55.2	56.1	56.2	56.7	57.0	57.1	57.5	57.8	58.1	58.7
IV 2500	32.7	44.6	47.8	51.8	55.0	55.7	57.4	58.3	58.5	59.0	59.3	59.4	59.8	60.0	60.2	61.0
IV 2000	34.4	48.0	51.4	55.8	59.3	60.0	61.9	62.9	63.0	63.6	63.9	64.0	64.4	64.7	64.8	65.6
IV 1800	34.7	48.5	52.0	56.4	59.9	60.7	62.8	63.8	64.0	64.5	64.9	64.9	65.4	65.6	65.8	66.6
IV 1500	35.4	50.1	54.0	59.0	63.1	64.0	66.2	67.3	67.5	68.1	68.6	68.6	69.1	69.3	69.5	70.3
IV 1200	35.6	51.1	55.2	60.6	65.2	66.3	68.7	69.8	70.0	70.6	71.2	71.4	71.9	72.1	72.2	73.1
IV 1000	35.7	52.2	56.6	62.5	67.7	68.9	71.7	73.0	73.3	74.2	74.8	74.9	75.4	75.6	75.7	76.6
IV 900	35.8	52.4	57.0	63.3	69.0	70.3	73.4	74.9	75.2	76.5	76.9	77.0	77.5	77.7	77.9	78.7
IV 800	35.9	52.6	57.3	64.2	70.5	72.0	75.5	77.2	77.7	79.1	79.9	79.6	80.1	80.3	80.5	81.4
IV 700	35.9	52.8	57.7	65.0	71.7	73.3	77.0	79.2	79.7	81.4	81.9	82.0	82.5	82.7	82.9	83.8
IV 600	35.9	52.9	57.9	65.4	72.4	74.2	78.2	80.9	81.4	83.4	84.0	84.0	84.7	84.9	85.1	85.9
IV 500	35.9	53.0	58.0	65.7	73.1	75.0	79.3	82.5	83.1	85.9	86.6	86.7	87.4	87.6	87.8	88.8
IV 400	35.9	53.1	58.1	65.8	73.7	75.7	80.5	84.3	85.1	88.4	89.5	89.6	90.3	90.6	90.8	91.8
IV 300	35.9	53.1	58.1	65.9	73.8	75.8	80.8	84.9	85.8	89.7	91.1	91.3	92.2	92.8	93.2	94.4
IV 200	35.9	53.1	58.1	65.9	73.9	75.9	80.9	85.0	85.9	90.0	91.7	91.9	93.4	94.1	94.6	95.9
IV 100	35.9	53.1	58.1	65.9	73.9	75.9	80.9	85.0	85.9	90.0	91.7	91.9	93.5	94.2	94.9	97.1
IV 0	35.9	53.1	58.1	65.9	73.9	75.9	80.9	85.0	85.9	90.0	91.7	91.9	93.5	94.2	95.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2881

USAF ETAC FORM 0-14-5 (OL1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

23211

HAMILTON AFB CALIF/SAN RAFAEL

40-70

YEARS

1968

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	24.4	32.7	35.3	37.9	39.2	39.8	40.3	40.6	40.6	40.7	40.8	40.8	40.8	40.8	40.9	40.9
IV 20000	27.3	37.8	41.1	44.1	45.9	46.5	47.3	47.6	47.6	47.7	47.8	47.8	47.8	47.8	47.9	47.9
IV 18000	27.5	38.2	41.4	44.5	46.3	47.0	47.8	48.1	48.1	48.2	48.2	48.2	48.3	48.3	48.4	48.4
IV 16000	27.7	38.6	42.0	45.1	46.9	47.6	48.4	48.7	48.7	48.8	48.8	48.8	48.9	48.9	48.9	49.0
IV 14000	28.2	39.3	42.7	46.0	48.0	48.6	49.4	49.7	49.8	49.9	49.9	49.9	49.9	50.0	50.0	50.1
IV 12000	28.8	40.9	44.5	47.9	49.9	50.6	51.4	51.8	51.8	52.0	52.0	52.0	52.1	52.1	52.1	52.2
IV 10000	29.4	41.9	45.6	49.1	51.1	51.8	52.7	53.0	53.0	53.2	53.2	53.2	53.3	53.3	53.4	53.4
IV 9000	29.8	42.2	46.0	49.5	51.6	52.3	53.2	53.6	53.6	53.8	53.8	53.8	53.9	53.9	53.9	54.0
IV 8000	30.4	43.3	47.0	50.6	52.9	53.6	54.5	54.8	54.9	55.0	55.1	55.1	55.2	55.2	55.3	55.3
IV 7000	30.8	43.9	47.6	51.3	53.8	54.4	55.5	55.9	55.9	56.1	56.1	56.1	56.2	56.2	56.3	56.3
IV 6000	31.0	44.5	48.3	52.0	54.5	55.1	56.3	56.7	56.7	56.9	56.9	56.9	57.0	57.0	57.1	57.1
IV 5000	31.7	45.6	49.5	53.3	55.8	56.4	57.6	58.0	58.0	58.2	58.2	58.2	58.3	58.3	58.4	58.4
IV 4500	31.9	46.1	50.0	53.9	56.4	57.0	58.2	58.6	58.6	58.8	58.8	58.8	58.9	58.9	59.0	59.0
IV 4000	32.6	47.1	51.1	55.0	57.7	58.4	59.6	60.0	60.0	60.2	60.2	60.2	60.3	60.4	60.4	60.4
IV 3500	34.0	48.5	52.5	56.4	59.2	59.9	61.2	61.6	61.6	61.8	61.9	61.9	62.0	62.0	62.1	62.1
IV 3000	35.6	50.7	54.9	59.0	61.8	62.5	63.9	64.4	64.4	64.7	64.7	64.7	64.8	64.8	64.9	64.9
IV 2500	37.3	53.3	57.7	62.1	65.0	65.8	67.3	67.8	67.8	68.1	68.1	68.1	68.2	68.2	68.3	68.3
IV 2000	39.8	57.1	61.8	66.5	69.9	70.7	72.3	73.0	73.0	73.3	73.3	73.3	73.4	73.4	73.5	73.5
IV 1800	40.2	57.8	62.5	67.3	70.8	71.6	73.2	74.0	74.1	74.3	74.4	74.4	74.5	74.5	74.6	74.6
IV 1500	41.0	59.6	64.6	69.6	73.4	74.3	76.0	77.0	77.1	77.5	77.5	77.5	77.7	77.7	77.8	77.8
IV 1200	41.4	61.0	66.2	72.0	76.2	77.3	79.6	80.8	80.9	81.5	81.6	81.6	81.9	81.9	81.9	82.0
IV 1000	41.6	61.6	67.3	73.6	78.2	79.4	82.0	83.4	83.6	84.3	84.4	84.4	84.8	84.9	84.9	85.0
IV 900	41.7	61.9	67.6	74.4	79.5	80.8	83.7	85.2	85.4	86.2	86.3	86.3	86.7	86.8	86.8	86.9
IV 800	41.7	62.4	68.2	75.5	81.1	82.6	85.7	87.6	88.0	89.1	89.2	89.2	89.6	89.7	89.7	89.8
IV 700	41.7	62.6	68.4	76.3	82.4	83.8	87.5	89.8	90.1	91.4	91.5	91.5	91.9	92.0	92.0	92.1
IV 600	41.7	62.7	68.6	76.9	83.1	84.7	88.8	91.2	91.6	93.0	93.2	93.2	93.6	93.6	93.7	93.7
IV 500	41.7	62.9	68.9	77.3	83.8	85.3	89.9	92.5	92.9	94.7	94.9	94.9	95.3	95.4	95.4	95.5
IV 400	41.7	62.9	68.9	77.6	84.2	85.0	90.8	93.7	94.1	96.1	96.4	96.4	96.9	97.0	97.2	97.3
IV 300	41.7	62.9	68.9	77.7	84.3	86.1	91.0	94.0	94.5	96.7	97.2	97.3	98.0	98.1	98.2	98.4
IV 200	41.7	62.9	68.9	77.7	84.4	86.1	91.1	94.1	94.7	97.0	97.7	97.7	98.5	98.7	99.0	99.3
IV 100	41.7	62.9	68.9	77.7	84.4	86.1	91.1	94.1	94.7	97.0	97.7	97.7	98.8	99.0	99.3	99.8
IV 0	41.7	62.9	68.9	77.7	84.4	86.1	91.1	94.1	94.7	97.0	97.7	97.7	98.8	99.0	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS

2883

USAF ETAC

FORM

0-14-5 (OL 1)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

23211

HAMILTON AFB CALIF/SAN RAFAEL

40-70

YEARS

JAN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	30.2	38.6	41.3	43.3	44.6	45.2	45.9	46.1	46.2	46.4	46.4	46.4	46.4	46.4	46.5	46.5
IV 20000	35.6	45.6	49.2	51.7	53.1	54.0	54.7	55.0	55.1	55.3	55.3	55.3	55.4	55.4	55.4	55.5
IV 18000	35.7	46.0	49.7	52.2	53.7	54.5	55.3	55.5	55.6	55.9	55.9	55.9	55.9	55.9	55.9	56.0
IV 16000	35.8	46.3	50.0	52.5	54.0	54.9	55.7	55.9	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.4
IV 14000	36.6	47.8	51.7	54.3	55.8	56.6	57.5	57.8	57.9	58.1	58.1	58.1	58.2	58.2	58.2	58.3
IV 12000	37.7	49.5	53.6	56.3	57.9	58.8	59.8	60.1	60.2	60.4	60.4	60.4	60.5	60.5	60.5	60.6
IV 10000	38.5	50.7	55.1	57.9	59.5	60.5	61.4	61.7	61.8	62.1	62.1	62.1	62.1	62.1	62.1	62.2
IV 9000	38.8	51.2	55.6	58.5	60.1	61.1	62.1	62.3	62.4	62.7	62.7	62.7	62.7	62.7	62.7	62.8
IV 8000	39.6	52.4	56.9	59.8	61.5	62.4	63.4	63.7	63.8	64.1	64.1	64.1	64.1	64.1	64.1	64.2
IV 7000	40.0	53.1	57.5	60.6	62.3	63.3	64.4	64.7	64.8	65.0	65.0	65.0	65.0	65.0	65.1	65.1
IV 6000	40.3	53.6	58.0	61.2	62.9	63.9	65.0	65.3	65.4	65.6	65.6	65.6	65.7	65.7	65.7	65.8
IV 5000	40.7	54.1	58.7	61.8	63.6	64.7	65.8	66.1	66.3	66.5	66.5	66.5	66.5	66.5	66.6	66.6
IV 4500	41.0	54.7	59.3	62.5	64.3	65.3	66.5	66.8	66.9	67.2	67.2	67.2	67.2	67.2	67.2	67.3
IV 4000	41.5	55.1	60.7	64.0	65.9	66.9	68.1	68.4	68.5	68.7	68.7	68.7	68.8	68.8	68.8	68.9
IV 3500	42.8	57.3	61.9	65.4	67.3	68.3	69.5	69.9	70.0	70.2	70.2	70.2	70.3	70.3	70.3	70.4
IV 3000	44.3	59.3	64.2	67.8	69.9	70.9	72.0	72.4	72.5	72.8	72.8	72.8	72.8	72.8	72.8	72.9
IV 2500	45.5	61.2	66.1	70.0	72.0	73.1	74.3	74.6	74.7	75.1	75.1	75.1	75.2	75.2	75.2	75.3
IV 2000	47.5	64.0	69.2	73.5	75.9	76.9	78.2	78.8	79.0	79.4	79.5	79.5	79.6	79.6	79.6	79.7
IV 1800	47.9	64.6	69.9	74.2	76.6	77.7	79.0	79.6	79.8	80.3	80.4	80.4	80.5	80.5	80.6	80.6
IV 1500	48.7	66.2	71.8	76.4	79.4	80.5	82.0	82.8	83.1	83.8	83.9	83.9	84.0	84.0	84.1	84.1
IV 1200	49.0	67.6	73.4	78.8	82.4	83.8	85.5	86.6	87.0	87.9	88.0	88.0	88.2	88.2	88.2	88.3
IV 1000	49.2	68.5	74.6	80.5	84.3	85.8	87.7	89.0	89.4	90.5	90.6	90.6	90.8	90.8	90.8	90.9
IV 900	49.3	68.8	75.0	81.3	85.4	87.0	89.1	90.5	91.0	92.2	92.4	92.4	92.6	92.6	92.6	92.7
IV 800	49.4	69.0	75.4	82.0	86.3	87.9	90.5	91.9	92.4	93.9	94.1	94.2	94.4	94.4	94.5	94.5
IV 700	49.4	69.2	75.6	82.7	87.2	88.9	91.5	93.2	93.7	95.3	95.6	95.7	95.9	95.9	95.9	96.0
IV 600	49.4	69.2	75.7	82.9	87.7	89.5	92.3	94.0	94.5	96.1	96.5	96.5	96.7	96.7	96.8	96.9
IV 500	49.4	69.3	75.8	83.3	88.3	90.1	93.0	94.8	95.3	97.2	97.6	97.6	98.0	98.0	98.1	98.2
IV 400	49.4	69.3	75.8	83.4	88.4	90.3	93.2	95.0	95.6	97.5	97.9	98.0	98.3	98.3	98.5	98.5
IV 300	49.4	69.3	75.8	83.4	88.5	90.3	93.3	95.1	95.8	97.8	98.3	98.4	98.7	98.7	99.0	99.1
IV 200	49.4	69.3	75.8	83.4	88.5	90.3	93.3	95.2	95.9	97.9	98.5	98.6	99.0	99.0	99.4	99.5
IV 100	49.4	69.3	75.8	83.4	88.5	90.3	93.3	95.2	95.9	98.0	98.6	98.7	99.2	99.2	99.5	99.9
IV 0	49.4	69.3	75.8	83.4	88.5	90.3	93.3	95.2	95.9	98.0	98.6	98.7	99.2	99.2	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 2883

USAF ETAC FORM 14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

40-70  
YEARS

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1-00-2000  
MOON

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING	30.7	45.4	47.5	49.0	51.9	52.3	52.9	53.3	53.3	53.7	53.9	53.7	53.9	53.9	54.0	54.1
≥ 20000	40.0	49.8	52.2	54.7	57.3	57.8	58.5	59.1	59.2	59.5	59.7	59.7	59.8	59.8	59.9	60.0
IV 18000	40.2	50.2	52.6	55.2	57.8	58.3	59.1	59.6	59.7	60.1	60.2	60.2	60.3	60.3	60.4	60.5
IV 16000	40.3	50.3	52.7	55.3	57.9	58.5	59.2	59.8	59.9	60.2	60.4	60.4	60.5	60.5	60.6	60.7
IV 14000	41.0	51.4	53.9	56.5	59.2	59.9	60.6	61.1	61.2	61.6	61.8	61.8	61.8	61.8	62.0	62.0
IV 12000	41.7	52.3	54.9	57.7	60.5	61.2	62.0	62.5	62.6	63.0	63.2	63.2	63.2	63.2	63.4	63.4
IV 10000	42.7	53.6	56.4	59.4	62.3	62.9	63.8	64.4	64.4	64.8	65.0	65.0	65.1	65.1	65.2	65.3
IV 9000	43.2	54.3	57.2	60.3	63.1	63.8	64.6	65.2	65.3	65.6	65.8	65.8	65.9	65.9	66.0	66.1
IV 8000	43.9	55.3	58.2	61.3	64.1	64.9	65.8	66.3	66.4	66.8	67.0	67.0	67.0	67.0	67.2	67.2
IV 7000	44.5	56.1	58.9	62.0	65.0	65.7	66.6	67.2	67.2	67.6	67.8	67.8	67.9	67.9	68.0	68.1
IV 6000	44.9	56.8	59.7	62.8	65.8	66.6	67.5	68.0	68.1	68.5	68.7	68.7	68.7	68.7	68.9	68.9
IV 5000	45.5	57.6	60.7	63.9	67.0	67.8	68.8	69.4	69.5	69.9	70.1	70.1	70.1	70.1	70.3	70.3
IV 4500	46.0	58.3	61.8	65.0	68.0	68.8	69.9	70.5	70.5	71.0	71.1	71.1	71.2	71.2	71.3	71.4
IV 4000	46.9	59.7	63.1	66.3	69.4	70.2	71.3	71.9	71.9	72.3	72.5	72.5	72.6	72.6	72.7	72.8
IV 3500	47.7	60.8	64.4	67.6	70.8	71.6	72.6	73.2	73.3	73.7	73.9	73.9	74.0	74.0	74.1	74.2
IV 3000	49.0	62.4	66.2	69.5	72.7	73.6	74.6	75.3	75.3	75.7	75.9	75.9	76.0	76.0	76.1	76.2
IV 2500	50.0	63.7	67.7	71.2	74.5	75.4	76.5	77.1	77.2	77.6	77.8	77.8	77.8	77.8	78.0	78.0
IV 2000	51.7	65.9	70.2	74.0	77.5	78.3	79.6	80.2	80.3	80.8	81.0	81.0	81.1	81.1	81.2	81.3
IV 1800	52.1	66.4	70.9	74.6	78.3	79.1	80.4	81.1	81.2	81.9	82.0	82.0	82.0	82.0	82.2	82.2
IV 1500	52.8	67.8	72.6	76.7	80.8	81.9	83.1	84.0	84.1	84.8	84.9	84.9	85.1	85.1	85.2	85.3
IV 1200	53.5	69.0	74.4	78.8	83.4	84.5	86.0	87.0	87.1	87.7	87.9	87.9	88.1	88.1	88.2	88.3
IV 1000	53.7	69.7	75.1	79.8	85.1	86.3	88.2	89.3	89.4	90.2	90.4	90.5	90.6	90.6	90.7	90.8
IV 900	53.9	70.1	75.5	80.4	86.0	87.2	89.1	90.2	90.3	91.1	91.4	91.4	91.6	91.6	91.7	91.8
IV 800	54.1	70.5	76.1	81.5	87.3	88.5	90.6	91.9	92.1	93.0	93.3	93.4	93.5	93.5	93.7	93.7
IV 700	54.1	70.6	76.2	81.6	87.7	89.0	91.1	92.5	92.7	93.8	94.1	94.2	94.3	94.3	94.4	94.5
IV 600	54.1	70.7	76.4	82.2	88.4	89.7	92.0	93.4	93.6	94.9	95.2	95.3	95.4	95.4	95.6	95.6
IV 500	54.1	70.7	76.4	82.2	88.7	90.1	92.6	94.1	94.5	95.9	96.4	96.4	96.6	96.6	96.7	96.8
IV 400	54.1	70.8	76.5	82.3	89.0	90.5	93.1	94.6	95.0	96.6	97.1	97.2	97.5	97.5	97.7	97.8
IV 300	54.1	70.8	76.5	82.4	89.1	90.6	93.3	95.0	95.4	97.1	97.6	97.7	98.0	98.1	98.3	98.4
IV 200	54.1	70.8	76.5	82.4	89.1	90.6	93.4	95.1	95.5	97.4	98.0	98.1	98.5	98.5	98.9	99.0
IV 100	54.1	70.8	76.5	82.4	89.1	90.6	93.4	95.1	95.5	97.5	98.2	98.2	98.7	98.8	99.3	99.5
IV 0	54.1	70.8	76.5	82.4	89.1	90.6	93.4	95.1	95.5	97.5	98.2	98.2	98.7	98.8	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS. 2882

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

23211 HAMILTON AFB CALIF/SAN RAFAEL

40-70

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	36.7	44.5	47.3	49.0	51.3	51.8	52.6	53.0	53.2	53.6	53.8	54.2	54.2	54.4	55.0	
≥ 20000	38.4	47.2	50.2	52.0	54.3	54.9	55.8	56.3	56.5	57.0	57.2	57.2	57.6	57.7	57.9	58.5
IV 18000	38.5	47.3	50.3	52.2	54.7	55.2	56.1	56.6	56.7	57.2	57.5	57.5	57.9	57.9	58.1	58.7
IV 16000	38.6	47.4	50.4	52.3	54.9	55.4	56.3	56.8	56.9	57.5	57.7	57.7	58.1	58.2	58.4	59.0
IV 14000	39.2	48.2	51.3	53.2	56.0	56.4	57.3	57.9	58.0	58.6	58.8	58.8	59.2	59.3	59.5	60.1
IV 12000	39.9	49.0	52.1	54.1	57.1	57.6	58.5	59.0	59.2	59.7	60.0	60.0	60.4	60.5	60.7	61.3
IV 10000	41.1	50.5	53.7	55.7	59.0	59.6	60.5	61.0	61.2	61.7	62.0	62.0	62.4	62.4	62.7	63.2
IV 9000	41.4	51.1	54.3	56.4	59.7	60.3	61.2	61.7	61.9	62.4	62.7	62.7	63.1	63.2	63.4	64.0
IV 8000	42.2	52.1	55.4	57.5	60.8	61.4	62.3	62.9	63.0	63.6	63.9	63.9	64.2	64.3	64.5	65.1
IV 7000	42.6	52.8	56.1	58.2	61.5	62.1	63.1	63.6	63.8	64.4	64.6	64.6	65.0	65.1	65.3	65.9
IV 6000	42.7	53.3	56.6	58.8	62.1	62.8	63.7	64.2	64.4	65.0	65.3	65.3	65.6	65.7	65.9	66.5
IV 5000	43.3	54.5	58.2	60.4	63.8	64.4	65.4	66.0	66.2	66.7	67.0	67.0	67.4	67.5	67.7	68.3
IV 4500	43.8	55.3	59.1	61.4	64.8	65.4	66.4	67.1	67.2	67.8	68.1	68.1	68.4	68.5	68.7	69.3
IV 4000	44.8	56.5	60.3	62.7	66.1	66.8	67.8	68.4	68.6	69.2	69.5	69.5	69.8	69.9	70.1	70.7
IV 3500	45.6	57.8	61.7	64.1	67.6	68.2	69.3	69.9	70.0	70.6	70.9	70.9	71.3	71.4	71.6	72.2
IV 3000	46.8	59.4	63.6	66.0	69.6	70.5	71.5	72.1	72.3	72.9	73.1	73.1	73.6	73.6	73.8	74.4
IV 2500	47.9	61.2	65.4	68.0	71.8	72.5	73.6	74.2	74.3	74.9	75.2	75.2	75.6	75.7	75.9	76.5
IV 2000	49.9	63.8	68.2	70.9	75.1	75.8	76.9	77.5	77.7	78.3	78.6	78.6	79.0	79.1	79.3	79.9
IV 1800	50.3	64.4	68.9	71.5	76.0	76.7	77.8	78.4	78.5	79.2	79.5	79.5	79.9	80.0	80.2	80.8
IV 1500	50.7	65.3	69.9	72.8	77.7	78.4	79.6	80.2	80.4	81.1	81.4	81.4	81.8	81.9	82.1	82.7
IV 1200	51.3	66.3	71.5	74.7	80.1	80.9	82.4	83.1	83.3	84.0	84.4	84.4	84.8	84.9	85.1	85.7
IV 1000	51.6	66.9	72.4	75.8	81.6	82.5	84.2	85.0	85.2	86.0	86.4	86.4	86.8	86.8	87.1	87.7
IV 900	51.7	67.2	72.7	76.2	82.3	83.3	85.3	86.1	86.3	87.1	87.5	87.5	88.0	88.0	88.3	88.9
IV 800	51.8	67.5	73.2	77.1	83.4	84.5	86.6	87.5	87.7	88.8	89.1	89.1	89.6	89.7	89.9	90.5
IV 700	51.9	67.7	73.4	77.5	84.2	85.4	87.7	88.6	88.9	90.0	90.4	90.4	90.9	91.0	91.2	91.8
IV 600	51.9	67.8	73.7	77.9	85.0	86.3	88.6	89.7	90.0	91.4	91.8	91.8	92.3	92.3	92.6	93.2
IV 500	51.9	67.9	73.8	78.0	85.4	86.8	89.6	90.8	91.0	92.6	93.1	93.1	93.6	93.7	93.9	94.5
IV 400	51.9	67.9	73.8	78.0	85.5	86.9	90.0	91.3	91.5	93.2	93.8	93.8	94.3	94.4	94.7	95.2
IV 300	51.9	67.9	73.8	78.1	85.6	87.1	90.2	91.5	91.8	93.8	94.6	94.6	95.2	95.3	95.7	96.3
IV 200	51.9	67.9	73.8	78.1	85.7	87.1	90.3	91.7	92.0	94.2	95.1	95.2	95.9	96.1	96.5	97.1
IV 100	51.9	67.9	73.8	78.1	85.7	87.1	90.3	91.7	92.0	94.4	95.3	95.4	96.3	96.6	97.1	98.1
IV 0	51.9	67.9	73.8	78.1	85.7	87.1	90.3	91.7	92.0	94.4	95.4	95.4	96.3	96.7	97.2	100.0

TOTAL NUMBER OF OBSERVATIONS

2881

USAF ETAC

FORM  
JUL 64

0-14-5 (OL 1)

PREVIOUS EDITIONS OF THIS FORM ARE

DATE



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

23211 HAMILTON AFB CALIF/SAN RAFAEL

40-70

YEARS

FEET

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200

MOON 15.11

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	45.1	51.7	53.3	53.9	54.7	55.0	55.2	55.4	55.4	55.9	56.1	56.2	56.5	56.5	56.7	56.9
≥ 20000	48.3	55.2	57.1	57.7	58.6	58.9	59.1	59.3	59.3	59.8	60.0	60.2	60.5	60.5	60.7	60.9
≥ 18000	46.3	53.5	57.3	57.9	58.8	59.1	59.4	59.5	59.5	60.0	60.3	60.4	60.7	60.8	61.0	61.1
IV 16000	48.3	56.1	58.0	58.6	59.5	59.7	60.0	60.2	60.2	60.7	60.9	61.0	61.3	61.4	61.6	61.8
IV 14000	49.8	57.4	59.4	60.0	61.0	61.4	61.6	61.8	61.8	62.3	62.6	62.7	63.0	63.1	63.3	63.4
IV 12000	50.6	58.6	60.5	61.2	62.2	62.6	62.9	63.1	63.1	63.6	63.8	63.9	64.3	64.4	64.6	64.7
IV 10000	52.3	60.3	62.4	63.0	64.1	64.6	64.9	65.1	65.1	65.6	65.8	65.9	66.3	66.4	66.6	66.7
IV 9000	52.8	60.9	63.0	63.8	64.8	65.3	65.6	65.8	65.8	66.3	66.5	66.6	67.0	67.1	67.3	67.4
IV 8000	53.6	61.8	63.9	64.7	65.8	66.4	66.6	66.8	66.8	67.3	67.5	67.7	68.0	68.1	68.3	68.5
IV 7000	54.7	63.2	65.4	66.3	67.4	68.0	68.2	68.4	68.4	68.9	69.1	69.3	69.6	69.7	69.9	70.1
IV 6000	55.6	64.4	66.7	67.6	68.7	69.2	69.5	69.7	69.7	70.2	70.4	70.5	70.9	71.0	71.2	71.3
IV 5000	56.8	65.8	68.3	69.2	70.3	70.8	71.1	71.3	71.3	71.8	72.0	72.1	72.5	72.6	72.8	72.9
IV 4500	57.1	66.2	68.8	69.7	70.8	71.4	71.6	71.8	71.8	72.3	72.6	72.7	73.1	73.1	73.3	73.5
IV 4000	58.1	67.6	70.2	71.2	72.3	73.0	73.3	73.4	73.4	74.0	74.3	74.4	74.8	74.9	75.1	75.2
IV 3500	59.1	68.8	71.4	72.4	73.6	74.2	74.5	74.7	74.7	75.2	75.5	75.7	76.0	76.1	76.3	76.5
IV 3000	60.0	69.9	72.6	73.6	75.0	75.6	75.9	76.1	76.1	76.6	76.9	77.1	77.5	77.6	77.8	77.9
IV 2500	60.7	70.8	73.5	74.6	76.0	76.6	76.9	77.2	77.2	77.8	78.0	78.2	78.6	78.7	78.9	79.0
IV 2000	62.6	73.1	76.0	77.2	78.7	79.4	79.7	80.0	80.0	80.6	80.9	81.0	81.4	81.6	81.8	82.0
IV 1800	63.5	74.2	77.2	78.4	80.1	80.9	81.2	81.6	81.6	82.2	82.5	82.6	83.0	83.2	83.4	83.6
IV 1500	64.6	75.8	79.0	80.5	82.3	83.1	83.5	84.0	84.0	84.7	85.0	85.1	85.5	85.7	85.9	86.1
IV 1200	65.4	77.3	80.5	82.1	84.1	84.9	85.6	86.1	86.2	86.9	87.2	87.3	87.7	87.9	88.1	88.3
IV 1000	65.9	78.1	81.6	83.4	85.8	86.7	87.4	88.0	88.0	88.9	89.1	89.3	89.7	89.9	90.1	90.2
IV 900	66.1	78.6	82.2	84.2	86.7	87.7	88.5	89.1	89.1	90.0	90.2	90.4	90.9	91.0	91.2	91.4
IV 800	66.3	79.1	82.7	84.7	87.6	88.6	89.5	90.1	90.1	91.0	91.3	91.4	91.9	92.0	92.3	92.4
IV 700	66.4	79.3	82.9	85.0	88.0	89.1	89.9	90.6	90.6	91.5	91.8	91.9	92.4	92.6	92.8	93.0
IV 600	66.6	79.5	83.2	85.2	88.3	89.4	90.6	91.2	91.2	92.3	92.6	92.7	93.2	93.4	93.6	93.8
IV 500	66.6	79.6	83.3	85.3	88.9	90.0	91.4	92.0	92.1	93.3	93.6	93.7	94.2	94.4	94.6	94.8
IV 400	66.7	79.8	83.6	85.7	89.3	90.6	92.2	92.8	92.8	94.1	94.3	94.5	95.0	95.1	95.4	95.5
IV 300	66.7	79.8	83.6	85.7	89.4	90.7	92.4	93.3	93.3	94.9	95.1	95.3	95.8	96.0	96.2	96.4
IV 200	66.7	79.8	83.6	85.7	89.6	90.9	92.6	93.5	93.6	95.3	95.7	95.9	96.5	96.6	97.0	97.1
IV 100	66.7	79.8	83.6	85.7	89.6	90.9	92.7	93.6	93.6	95.4	95.8	96.0	96.6	96.8	97.3	97.8
IV 0	66.7	79.8	83.6	85.7	89.6	90.9	92.7	93.6	93.6	95.4	95.8	96.0	96.6	96.8	97.5	100.0

TOTAL NUMBER OF OBSERVATIONS 2625

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

23211

HAMILTON AFB CALIF/SAN RAFAEL

40-70

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	39.4	45.8	47.3	48.2	49.3	49.5	50.3	51.0	51.1	51.6	51.9	51.8	52.2	52.4	52.9	53.5
≥ 20000	41.4	48.5	50.1	51.2	52.5	52.8	53.7	54.4	54.5	55.0	55.4	55.4	55.6	55.9	56.4	57.0
IV 18000	41.9	48.6	50.2	51.3	52.6	52.9	53.8	54.5	54.6	55.1	55.4	55.4	55.7	56.0	56.5	57.1
IV 16000	42.0	48.8	50.4	51.5	52.8	53.1	54.0	54.6	54.8	55.2	55.6	55.6	55.9	56.2	56.7	57.3
IV 14000	42.4	49.6	51.4	52.5	53.9	54.2	55.1	55.8	55.9	56.4	56.8	56.8	57.0	57.3	57.8	58.4
IV 12000	43.3	50.7	52.6	53.7	55.3	55.6	56.6	57.3	57.4	57.9	58.3	58.3	58.5	58.8	59.3	60.0
IV 10000	44.1	51.9	53.9	55.0	56.6	57.0	58.0	58.7	58.8	59.4	59.7	59.7	60.0	60.3	60.8	61.5
IV 9000	44.6	52.5	54.5	55.7	57.3	57.7	58.8	59.5	59.6	60.1	60.5	60.5	60.8	61.1	61.6	62.3
IV 8000	45.3	53.3	55.4	56.5	58.2	58.7	59.7	60.4	60.5	61.1	61.5	61.5	61.7	62.0	62.6	63.2
IV 7000	46.1	54.2	56.4	57.5	59.2	59.7	60.7	61.4	61.5	62.1	62.5	62.5	62.7	63.1	63.6	64.3
IV 6000	46.7	54.9	57.2	58.4	60.2	60.6	61.6	62.4	62.5	63.1	63.4	63.4	63.7	64.0	64.6	65.2
IV 5000	47.8	56.4	58.7	59.9	61.7	62.2	63.2	63.9	64.0	64.6	65.0	65.0	65.3	65.6	66.1	66.8
IV 4500	48.2	56.8	59.3	60.5	62.3	62.8	63.8	64.5	64.6	65.2	65.6	65.6	65.9	66.2	66.7	67.4
IV 4000	48.8	57.8	60.4	61.6	63.5	64.0	65.1	65.8	65.9	66.5	66.9	66.9	67.1	67.4	68.0	68.6
IV 3500	49.4	58.7	61.3	62.6	64.6	65.0	66.1	66.8	66.9	67.5	67.9	67.9	68.2	68.5	69.0	69.7
IV 3000	50.5	60.0	62.8	64.1	66.2	66.7	67.7	68.5	68.6	69.2	69.6	69.6	69.9	70.2	70.7	71.4
IV 2500	52.2	62.1	65.0	66.3	68.4	68.9	70.0	70.8	70.9	71.6	72.0	72.0	72.2	72.5	73.1	73.7
IV 2000	54.4	65.2	68.2	70.0	72.1	72.7	73.8	74.6	74.7	75.3	75.7	75.7	76.0	76.3	76.9	77.5
IV 1800	54.7	65.9	69.1	70.9	73.2	73.7	74.8	75.6	75.8	76.4	76.8	76.8	77.1	77.4	78.0	78.6
IV 1500	55.7	67.7	71.1	73.2	75.8	76.3	77.5	78.3	78.5	79.2	79.6	79.6	79.9	80.2	80.8	81.4
IV 1200	56.7	69.3	73.1	75.5	78.4	79.1	80.6	81.5	81.6	82.3	82.7	82.7	83.0	83.3	83.9	84.6
IV 1000	57.1	70.0	74.2	76.8	80.1	80.8	82.5	83.4	83.5	84.3	84.7	84.7	85.0	85.3	85.9	86.5
IV 900	57.3	70.2	74.4	77.1	80.5	81.3	83.1	84.1	84.2	85.0	85.5	85.5	85.7	86.0	86.6	87.3
IV 800	57.3	70.5	74.7	77.4	81.2	81.9	83.8	84.8	84.9	85.9	86.3	86.3	86.6	86.9	87.5	88.1
IV 700	57.5	70.9	75.1	77.9	81.9	82.6	84.6	85.6	85.7	86.7	87.1	87.1	87.4	87.7	88.3	89.0
IV 600	57.6	71.0	75.2	78.0	82.1	82.9	84.9	86.1	86.2	87.3	87.7	87.7	88.0	88.3	88.9	89.5
IV 500	57.7	71.1	75.4	78.2	82.6	83.4	85.8	87.0	87.1	88.4	88.9	88.9	89.2	89.5	90.1	90.9
IV 400	57.8	71.3	75.6	78.6	83.2	84.1	86.8	88.1	88.2	89.9	90.3	90.3	90.7	91.0	91.6	92.4
IV 300	57.9	71.4	75.8	78.8	83.4	84.5	87.4	89.0	89.2	91.1	91.6	91.6	91.9	92.2	93.0	93.8
IV 200	58.0	71.5	75.8	78.8	83.6	84.7	87.6	89.3	89.5	91.7	92.4	92.4	92.8	93.1	93.9	94.8
IV 100	58.0	71.5	75.8	78.8	83.6	84.7	87.6	89.4	89.6	92.1	92.9	92.9	93.6	94.0	95.2	96.3
IV 0	58.0	71.5	75.8	78.8	83.6	84.7	87.6	89.4	89.6	92.1	92.9	92.9	93.8	94.1	95.6	100.0

TOTAL NUMBER OF OBSERVATIONS 2628

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23211 HAMILTON AFB CALIF/SAN RAFAEL

40-70

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	33.1	37.5	38.8	39.7	40.4	40.8	41.3	41.8	41.9	42.6	42.9	42.9	43.5	43.7	44.0	44.8
≥20000	25.1	40.6	42.0	43.2	44.2	44.6	45.3	45.8	46.0	46.7	47.0	47.1	47.7	47.9	48.4	49.4
≥18000	35.3	40.9	42.3	43.6	44.6	45.1	45.7	46.2	46.4	47.1	47.5	47.5	48.1	48.4	48.8	49.8
≥16000	35.4	41.1	42.5	43.7	44.8	45.2	45.9	46.4	46.6	47.3	47.6	47.7	48.3	48.6	49.0	50.0
≥14000	35.8	41.8	43.3	44.7	45.8	46.3	47.0	47.5	47.7	48.5	48.8	48.9	49.5	49.7	50.2	51.3
≥12000	37.0	43.4	45.2	46.7	47.9	48.4	49.1	49.7	49.8	50.8	51.1	51.2	51.9	52.1	52.6	53.7
≥10000	37.5	44.6	46.5	48.1	49.4	50.0	50.7	51.3	51.5	52.4	52.8	52.9	53.6	53.8	54.3	55.4
≥9000	38.2	45.4	47.3	48.9	50.3	50.8	51.6	52.2	52.4	53.3	53.7	53.8	54.5	54.7	55.2	56.3
≥8000	39.2	46.7	48.7	50.3	51.7	52.2	53.0	53.8	53.9	54.8	55.3	55.3	56.0	56.2	56.7	57.8
≥7000	40.0	47.6	49.7	51.4	52.8	53.3	54.1	54.9	55.0	55.9	56.4	56.4	57.1	57.3	57.8	58.9
≥6000	40.7	48.6	51.0	52.7	54.2	54.8	55.6	56.3	56.4	57.3	57.8	57.8	58.5	58.8	59.2	60.3
≥5000	41.7	50.2	52.5	54.3	55.7	56.3	57.1	57.8	58.0	58.9	59.3	59.3	60.0	60.3	60.8	61.8
≥4500	42.0	50.9	53.1	54.9	56.4	57.0	57.8	58.5	58.7	59.6	60.0	60.0	60.8	61.0	61.5	62.6
≥4000	43.0	51.9	54.1	56.0	57.5	58.1	58.9	59.6	59.8	60.8	61.2	61.2	61.9	62.2	62.7	63.7
≥3500	43.5	52.9	55.2	57.1	58.6	59.2	60.1	60.8	61.0	62.0	62.4	62.4	63.2	63.4	63.9	65.0
≥3000	44.9	54.8	57.3	59.2	60.8	61.4	62.4	63.1	63.3	64.3	64.7	64.8	65.5	65.7	66.2	67.3
≥2500	45.9	56.7	59.3	61.4	63.1	63.7	64.7	65.6	65.7	66.7	67.2	67.2	67.9	68.2	68.6	69.7
≥2000	47.5	58.9	61.8	64.4	66.3	67.0	68.1	68.9	69.1	70.2	70.7	70.7	71.4	71.7	72.1	73.2
≥1800	47.8	59.5	62.5	65.1	67.1	67.9	69.0	69.9	70.1	71.2	71.6	71.7	72.4	72.6	73.1	74.2
≥1500	49.0	61.7	65.0	68.0	70.3	71.2	72.4	73.4	73.5	74.8	75.2	75.3	76.0	76.3	76.8	77.8
≥1200	49.7	63.3	66.7	70.2	72.6	73.7	75.2	76.2	76.3	77.7	78.2	78.2	79.0	79.2	79.7	80.8
≥1000	50.0	64.5	68.3	72.0	74.6	75.7	77.3	78.4	78.5	80.0	80.4	80.5	81.2	81.5	82.0	83.1
≥900	50.1	64.9	68.8	72.7	75.5	76.7	78.4	79.5	79.7	81.2	81.6	81.7	82.4	82.7	83.2	84.2
≥800	50.2	65.4	69.4	73.4	76.2	77.5	79.3	80.6	80.7	82.3	82.8	82.8	83.6	83.9	84.4	85.5
≥700	50.3	65.9	70.1	74.3	77.3	78.7	80.6	82.0	82.2	83.9	84.4	84.4	85.2	85.5	86.0	87.1
≥600	50.4	66.1	70.3	74.5	77.9	79.3	81.3	83.1	83.3	85.1	85.7	85.7	86.5	86.8	87.3	88.3
≥500	50.4	66.1	70.5	74.7	78.4	79.8	82.3	84.2	84.4	86.5	87.1	87.1	88.0	88.3	88.8	89.9
≥400	50.5	66.2	70.6	75.0	78.9	80.6	83.1	85.2	85.5	87.9	88.5	88.6	89.5	89.8	90.5	91.6
≥200	50.5	66.2	70.6	75.0	79.0	80.7	83.4	85.9	86.2	88.9	89.7	89.7	90.7	91.1	91.8	93.0
≥100	50.5	66.2	70.6	75.0	79.0	80.7	83.5	86.0	86.3	89.2	90.4	90.5	91.4	92.0	92.8	94.4
≥0	50.5	66.2	70.6	75.0	79.0	80.7	83.5	86.0	86.3	89.2	90.4	90.5	91.8	92.5	93.9	100.0

TOTAL NUMBER OF OBSERVATIONS

2628

USAF ETAC FORM 0-14-5 (OI 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23211 HAMILTON AFB CALIF/SAN RAFAEL

40-70

VEFS

ECB

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-1100

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥⅓	≥⅒	≥0
NO CEILING ≥ 20000	32.1	38.3	39.6	40.9	41.5	41.8	42.1	42.1	42.2	42.6	42.7	42.7	42.8	42.8	43.0	43.3
IV 18000	35.7	44.6	46.2	47.8	48.6	49.0	49.4	49.5	49.6	50.0	50.1	50.1	50.3	50.5	50.5	51.0
IV 16000	36.1	44.9	46.5	48.2	49.0	49.4	49.8	49.9	50.0	50.4	50.5	50.5	50.7	50.8	51.0	51.3
IV 14000	36.7	46.1	47.6	49.4	50.5	50.9	51.4	51.5	51.6	52.1	52.3	52.3	52.5	52.5	52.7	53.2
IV 12000	38.2	47.9	49.5	51.5	52.7	53.1	53.6	53.8	53.9	54.5	54.6	54.6	54.8	54.9	55.1	55.5
IV 10000	38.7	48.7	50.4	52.5	53.8	54.3	54.8	54.9	55.0	55.6	55.8	55.8	56.0	56.1	56.3	56.7
IV 9000	39.1	49.2	50.8	52.9	54.2	54.7	55.2	55.3	55.4	56.1	56.3	56.3	56.5	56.5	56.7	57.2
IV 8000	39.8	50.0	51.8	54.0	55.3	55.8	56.4	56.6	56.7	57.3	57.5	57.5	57.7	57.8	58.0	58.5
IV 7000	40.7	51.2	53.0	55.2	56.5	57.2	57.8	58.0	58.1	58.8	59.0	59.0	59.2	59.2	59.4	59.9
IV 6000	41.2	51.9	53.7	56.1	57.5	58.1	58.8	59.0	59.1	59.8	60.0	60.0	60.2	60.2	60.4	60.9
IV 5000	41.9	52.9	54.7	57.2	58.8	59.5	60.2	60.4	60.5	61.2	61.4	61.4	61.6	61.6	61.8	62.3
IV 4500	42.5	53.7	55.6	58.1	59.8	60.4	61.1	61.3	61.5	62.1	62.3	62.3	62.5	62.6	62.8	63.3
IV 4000	43.4	55.2	57.1	59.7	61.5	62.1	62.8	63.0	63.1	63.8	64.0	64.0	64.2	64.2	64.5	64.9
IV 3500	44.3	56.3	58.4	61.1	62.9	63.6	64.2	64.5	64.6	65.3	65.5	65.5	65.7	65.7	66.0	66.4
IV 3000	45.5	58.1	60.2	62.9	64.9	65.6	66.4	66.7	66.8	67.5	67.7	67.7	67.9	68.0	68.2	68.7
IV 2500	46.3	59.7	62.1	65.0	67.1	67.7	68.7	69.1	69.2	69.8	70.1	70.1	70.3	70.3	70.6	71.0
IV 2000	47.7	62.1	64.9	68.3	70.4	71.2	72.2	72.7	72.8	73.7	74.0	74.0	74.2	74.2	74.4	74.9
IV 1800	48.1	63.0	65.8	69.3	71.4	72.2	73.3	73.9	74.0	74.9	75.2	75.2	75.4	75.4	75.6	76.1
IV 1500	49.0	64.9	67.9	71.7	74.1	74.8	76.1	76.8	77.0	77.8	78.1	78.1	78.3	78.3	78.6	79.0
IV 1000	49.6	66.7	69.9	74.2	76.8	77.6	79.1	80.1	80.3	81.2	81.5	81.5	81.6	81.7	81.9	82.4
IV 900	49.8	67.7	71.2	75.8	78.8	79.7	81.5	82.3	82.7	83.6	83.9	83.9	84.1	84.1	84.3	84.8
IV 800	49.9	68.1	71.6	76.4	79.6	80.8	82.6	83.7	83.9	84.8	85.3	85.1	85.3	85.3	85.5	86.0
IV 700	50.0	68.9	72.5	77.8	81.1	82.3	84.5	85.8	86.0	87.0	87.4	87.4	87.5	87.6	87.8	88.3
IV 600	50.0	69.3	73.1	78.7	82.1	83.4	85.8	87.2	87.5	88.6	88.9	88.9	89.1	89.2	89.4	89.9
IV 500	50.0	69.6	73.5	79.2	82.9	84.2	86.9	88.6	88.9	90.1	90.4	90.4	90.7	90.8	91.0	91.5
IV 400	50.0	69.6	73.8	80.0	84.3	85.7	88.9	91.0	91.4	93.4	93.9	94.0	94.6	94.5	94.8	95.4
IV 300	50.0	69.6	73.8	80.0	84.4	85.8	89.1	91.4	91.9	94.2	95.0	95.1	95.6	95.6	96.0	96.6
IV 200	50.0	69.6	73.8	80.0	84.4	85.8	89.2	91.5	92.0	94.4	95.2	95.4	96.2	96.4	97.0	97.9
IV 100	50.0	69.6	73.8	80.0	84.4	85.8	89.2	91.5	92.0	94.4	95.3	95.5	96.4	96.5	97.3	98.5
IV 0	50.0	69.6	73.8	80.0	84.4	85.8	89.2	91.5	92.0	94.4	95.3	95.5	96.4	96.5	97.3	100.0

TOTAL NUMBER OF OBSERVATIONS 2626

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

23211

HAMILTON AFB CALIF/SAN RAFAEL

40-70

YEARS

FEET

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥⅓	≥⅒	≥0
NO CEILING	34.1	42.4	44.3	43.9	46.6	46.8	46.9	46.9	46.9	46.9	46.9	46.9	47.0	47.0	47.0	47.0
≥ 20000	39.7	50.0	52.5	54.6	56.0	56.2	56.3	56.4	56.4	56.4	56.4	56.4	56.5	56.5	56.5	56.5
IV 18000	40.2	50.5	53.1	55.2	56.6	56.8	56.9	57.0	57.0	57.0	57.0	57.0	57.1	57.1	57.1	57.1
IV 16000	40.7	51.4	54.0	56.0	57.4	57.7	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
IV 14000	41.3	52.5	55.3	57.5	59.0	59.3	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
IV 12000	42.7	54.1	56.9	59.1	60.5	60.8	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
IV 10000	43.5	55.3	58.4	60.7	62.2	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.9	62.9	62.9	62.9
IV 9000	43.7	55.6	58.6	61.0	62.5	62.9	63.1	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 8000	44.4	56.4	59.6	62.0	63.6	64.0	64.2	64.3	64.3	64.3	64.3	64.3	64.4	64.4	64.4	64.4
IV 7000	45.1	57.4	60.6	63.0	64.5	64.9	65.2	65.4	65.4	65.4	65.4	65.4	65.5	65.5	65.5	65.5
IV 6000	45.6	58.3	61.5	64.0	65.5	65.9	66.2	66.3	66.4	66.4	66.4	66.4	66.5	66.5	66.5	66.5
IV 5000	46.4	59.5	62.7	65.2	66.7	67.1	67.4	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 4500	47.1	60.3	63.5	66.0	67.6	67.9	68.3	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
IV 4000	48.3	61.9	65.2	67.8	69.3	69.7	70.0	70.2	70.2	70.2	70.2	70.2	70.3	70.3	70.3	70.3
IV 3500	49.2	63.0	66.3	68.9	70.3	70.9	71.2	71.3	71.4	71.4	71.4	71.4	71.5	71.5	71.5	71.5
IV 3000	51.7	66.3	69.8	72.6	74.2	74.6	75.0	75.1	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 2500	53.8	69.2	72.8	75.8	77.4	77.8	78.2	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
IV 2000	55.3	72.1	76.2	79.4	81.2	81.7	82.1	82.3	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 1800	56.0	73.2	77.4	80.7	82.6	83.1	83.6	83.9	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 1500	57.2	75.4	79.7	83.1	85.3	85.9	86.4	86.8	86.9	87.0	87.0	87.0	87.1	87.1	87.1	87.1
IV 1200	57.8	77.3	81.7	85.3	87.7	88.4	89.2	89.7	89.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 1000	58.1	78.4	83.0	86.8	89.5	90.3	91.2	91.9	91.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 900	58.2	78.9	83.7	87.7	90.4	91.3	92.7	93.3	93.4	93.6	93.7	93.7	93.8	93.8	93.8	93.8
IV 800	58.2	79.4	84.4	88.7	91.6	92.6	94.1	94.9	95.0	95.5	95.6	95.6	95.7	95.7	95.7	95.7
IV 700	58.2	79.6	84.7	89.3	92.5	93.5	95.2	95.9	96.1	96.6	96.9	96.9	97.0	97.0	97.0	97.0
IV 600	58.2	79.7	84.9	89.6	93.0	94.0	95.8	96.7	96.9	97.7	97.9	97.9	98.0	98.0	98.0	98.0
IV 500	58.2	79.8	85.0	90.0	93.5	94.7	96.5	97.6	97.8	98.7	99.0	99.0	99.1	99.1	99.1	99.1
IV 400	58.2	79.8	85.0	90.1	93.6	94.8	96.7	97.8	98.0	99.0	99.4	99.4	99.5	99.5	99.5	99.5
IV 300	58.2	79.8	85.0	90.1	93.6	94.8	96.7	97.8	98.1	99.1	99.5	99.5	99.8	99.8	99.8	99.8
IV 200	58.2	79.8	85.0	90.1	93.6	94.8	96.7	97.8	98.1	99.2	99.5	99.5	99.9	99.9	99.9	99.9
IV 100	58.2	79.8	85.0	90.1	93.6	94.8	96.7	97.8	98.1	99.2	99.5	99.5	99.9	99.9	99.9	99.9
IV 0	58.2	79.8	85.0	90.1	93.6	94.8	96.7	97.8	98.1	99.2	99.5	99.5	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

2627

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

23211

HAMILTON AFB CALIF/SAN RAFAEL

40-70

YEARS

SEP

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	40.1	47.0	48.4	49.5	49.8	49.9	49.9	49.9	49.9	50.0	50.0	50.0	50.0	50.0	50.0	50.1
≥ 20000	48.2	57.1	58.9	60.4	60.8	60.9	60.9	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.1
IV 18000	49.2	58.1	59.9	61.4	61.8	61.9	61.9	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.1	62.1
IV 16000	49.8	58.9	60.6	62.2	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.8	62.8	62.9
IV 14000	51.4	61.3	63.2	64.9	65.4	65.4	65.4	65.4	65.4	65.5	65.5	65.5	65.5	65.6	65.6	65.6
IV 12000	53.3	63.5	65.4	67.1	67.6	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.9
IV 10000	54.2	65.0	66.9	68.7	69.3	69.3	69.3	69.3	69.3	69.4	69.4	69.4	69.4	69.4	69.5	69.5
IV 9000	54.5	65.3	67.4	69.1	69.7	69.8	69.8	69.8	69.8	69.9	69.9	69.9	69.9	69.9	69.9	70.0
IV 8000	55.4	66.4	68.5	70.3	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.1	71.1	71.1	71.2
IV 7000	56.0	67.2	69.4	71.2	71.8	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.1	72.1	72.1	72.2
IV 6000	56.5	67.8	70.0	71.8	72.5	72.5	72.6	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.8	72.8
IV 5000	57.6	69.2	71.4	73.2	73.9	74.0	74.0	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.3
IV 4500	58.2	70.1	72.3	74.1	74.8	74.9	74.9	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.2	75.2
IV 4000	59.3	71.0	74.1	75.9	76.6	76.7	76.8	76.8	76.8	76.9	76.9	76.9	77.0	77.0	77.0	77.0
IV 3500	61.0	73.8	76.0	77.9	78.6	78.7	78.7	78.8	78.8	78.9	78.9	78.9	78.9	78.9	79.0	79.0
IV 3000	63.7	77.2	79.6	81.5	82.3	82.4	82.5	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.8
IV 2500	65.6	79.8	82.5	84.5	85.4	85.5	85.7	85.8	85.8	85.8	85.8	85.8	85.9	85.9	85.9	85.9
IV 2000	67.1	82.2	85.1	87.2	88.2	88.4	88.6	88.7	88.7	88.9	88.9	88.9	89.0	89.0	89.0	89.0
IV 1800	67.8	83.2	86.1	88.2	89.3	89.5	89.7	89.8	89.8	90.0	90.0	90.0	90.1	90.1	90.1	90.1
IV 1500	68.6	84.9	87.9	90.2	91.5	91.7	91.9	92.0	92.0	92.2	92.3	92.3	92.3	92.3	92.4	92.4
IV 1200	69.3	86.4	89.6	92.1	93.5	93.8	94.1	94.3	94.3	94.4	94.5	94.5	94.6	94.6	94.6	94.7
IV 1000	69.5	87.3	90.8	93.3	95.0	95.4	95.8	96.0	96.0	96.2	96.3	96.3	96.3	96.3	96.4	96.4
IV 900	69.5	87.4	91.0	93.8	95.4	95.8	96.4	96.7	96.7	97.0	97.0	97.0	97.1	97.1	97.1	97.2
IV 800	69.5	87.5	91.2	94.2	95.8	96.3	97.1	97.6	97.6	98.0	98.1	98.1	98.2	98.2	98.3	98.3
IV 700	69.6	87.6	91.3	94.4	96.1	96.6	97.5	98.1	98.1	98.6	98.7	98.7	98.8	98.8	98.9	98.9
IV 600	69.6	87.6	91.3	94.4	96.2	96.8	97.8	98.5	98.5	99.1	99.2	99.2	99.3	99.3	99.4	99.4
IV 500	69.6	87.7	91.3	94.5	96.3	96.9	97.9	98.6	98.6	99.4	99.5	99.5	99.6	99.6	99.7	99.8
IV 400	69.6	87.7	91.3	94.5	96.3	97.0	97.9	98.7	98.7	99.4	99.6	99.6	99.7	99.7	99.8	99.8
IV 300	69.6	87.7	91.3	94.5	96.3	97.0	97.9	98.7	98.7	99.4	99.6	99.6	99.8	99.8	99.9	99.9
IV 200	69.6	87.7	91.3	94.5	96.3	97.0	97.9	98.7	98.7	99.4	99.7	99.7	99.8	99.8	99.9	100.0
IV 100	69.6	87.7	91.3	94.5	96.3	97.0	97.9	98.7	98.7	99.4	99.7	99.7	99.8	99.8	99.9	100.0
IV 0	69.6	87.7	91.3	94.5	96.3	97.0	97.9	98.7	98.7	99.4	99.7	99.7	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 2625



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

40-70  
YEARS

FEB  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1400-2000  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	
NO CEILING ≥ 20000	49.4	55.4	57.2	58.0	58.6	58.7	58.9	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 18000 IV 16000	54.4	61.4	63.3	64.4	65.2	65.4	65.6	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 14000 IV 12000	55.0	62.0	63.9	65.0	65.9	66.0	66.2	66.2	66.2	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 10000 IV 9000	55.6	62.8	64.7	65.8	66.0	66.9	67.1	67.1	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 8000 IV 7000	57.4	64.9	67.0	68.1	69.1	69.2	69.4	69.4	69.4	69.6	69.6	69.6	69.6	69.6	69.6	69.6
IV 6000 IV 5000	58.7	66.3	68.9	70.0	71.1	71.2	71.4	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 4500 IV 4000	60.4	68.6	70.7	71.8	72.8	72.9	73.2	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IV 3500 IV 3000	60.8	69.1	71.1	72.3	73.2	73.4	73.6	73.6	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 2500 IV 2000	62.0	70.5	72.6	73.8	74.9	75.0	75.2	75.2	75.2	75.4	75.4	75.4	75.4	75.4	75.4	75.4
IV 1800 IV 1500	63.1	71.8	74.0	75.3	76.4	76.5	76.7	76.7	76.7	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 1200 IV 1000	63.5	72.3	74.5	75.8	76.9	77.0	77.2	77.2	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 900 IV 800	64.9	73.9	76.2	77.4	78.5	78.6	78.8	78.8	78.8	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 700 IV 600	65.5	74.7	76.9	78.2	79.4	79.5	79.7	79.7	79.7	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 500 IV 400	66.4	75.7	78.0	79.2	80.4	80.6	80.8	80.8	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9
IV 300 IV 200	67.4	76.9	79.3	80.5	81.7	81.9	82.1	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 100 IV 0	68.9	79.0	81.3	82.6	84.0	84.1	84.3	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 0	70.4	80.8	82.4	84.8	86.2	86.3	86.5	86.7	86.7	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 0	72.4	83.6	86.4	87.9	89.4	89.3	89.9	90.0	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 0	72.8	84.0	86.9	88.4	89.9	90.0	90.4	90.5	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 0	73.7	85.3	88.4	90.1	91.7	91.9	92.3	92.5	92.5	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 0	74.5	86.8	90.1	91.8	93.7	93.9	94.4	94.7	94.7	95.0	95.0	95.0	95.1	95.1	95.1	95.1
IV 0	74.5	87.6	91.1	92.9	94.9	95.1	95.9	96.2	96.2	96.5	96.5	96.5	96.6	96.6	96.6	96.6
IV 0	75.1	88.0	91.5	93.4	95.5	95.7	96.6	96.9	96.9	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 0	75.2	88.1	91.9	93.9	96.2	96.3	97.7	98.1	98.1	98.6	98.6	98.6	98.7	98.7	98.7	98.7
IV 0	75.2	88.1	92.0	94.0	96.4	96.6	98.0	98.6	98.6	99.1	99.1	99.1	99.2	99.2	99.2	99.2
IV 0	75.2	88.1	92.0	94.0	96.4	96.6	98.2	98.7	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 0	75.2	88.1	92.0	94.0	96.4	96.6	98.2	98.8	98.8	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 0	75.2	88.1	92.0	94.0	96.4	96.6	98.2	98.9	99.0	99.6	99.6	99.6	99.7	99.7	99.7	99.7
IV 0	75.2	88.1	92.0	94.0	96.4	96.6	98.2	98.9	99.0	99.6	99.6	99.6	99.7	99.7	99.7	99.7
IV 0	75.2	88.1	92.0	94.0	96.4	96.6	98.2	98.9	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0	75.2	88.1	92.0	94.0	96.4	96.6	98.2	98.9	99.0	99.7	99.7	99.7	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 2624



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23211 STATION HAMILTON AFB CALIF/SAN RAFAEL 40-70 YEARS FEB MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2100

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥1/8	≥0
NO CEILING	50.3	58.5	57.2	58.1	58.9	59.2	59.6	59.6	59.7	59.9	59.9	59.9	60.1	60.1	60.2	60.3
IV 20000	53.8	60.0	61.4	62.3	63.3	63.6	64.0	64.1	64.2	64.5	64.5	64.5	64.7	64.7	64.9	65.0
IV 18000	54.0	60.2	61.7	62.5	63.0	63.9	64.2	64.4	64.4	64.7	64.8	64.8	65.0	65.0	65.1	65.2
IV 16000	54.5	60.9	62.3	63.2	64.3	64.6	65.0	65.1	65.1	65.5	65.5	65.5	65.7	65.7	65.8	65.9
IV 14000	55.9	62.6	64.1	64.9	66.2	66.5	66.9	67.0	67.1	67.4	67.4	67.4	67.6	67.6	67.8	67.9
IV 12000	57.0	64.1	65.6	66.3	67.8	68.1	68.5	68.6	68.7	69.0	69.0	69.0	69.2	69.2	69.4	69.5
IV 10000	58.3	65.7	67.3	68.3	69.8	70.1	70.4	70.6	70.6	70.9	71.0	71.0	71.2	71.2	71.3	71.4
IV 9000	58.7	66.2	67.8	68.8	70.3	70.6	70.9	71.1	71.1	71.4	71.5	71.5	71.7	71.7	71.8	71.9
IV 8000	60.0	67.6	69.3	70.3	71.8	72.1	72.5	72.6	72.7	73.0	73.0	73.0	73.2	73.2	73.4	73.5
IV 7000	61.7	69.5	71.1	72.2	73.7	74.0	74.4	74.5	74.5	74.9	74.9	74.9	75.1	75.1	75.2	75.3
IV 6000	62.1	70.1	71.7	72.8	74.3	74.6	75.0	75.1	75.1	75.5	75.5	75.5	75.7	75.7	75.9	75.9
IV 5000	63.1	71.4	73.2	74.3	75.8	76.1	76.5	76.6	76.6	77.0	77.0	77.0	77.2	77.2	77.3	77.4
IV 4500	63.6	72.0	73.7	74.9	76.5	76.8	77.2	77.3	77.3	77.6	77.7	77.7	77.9	77.9	78.0	78.1
IV 4000	64.3	72.8	74.6	75.8	77.4	77.7	78.1	78.2	78.2	78.6	78.6	78.6	78.8	78.8	78.9	79.0
IV 3500	65.1	73.9	75.7	76.9	78.6	78.9	79.2	79.4	79.4	79.7	79.8	79.8	80.0	80.0	80.1	80.2
IV 3000	67.0	75.6	78.3	79.5	81.4	81.7	82.1	82.3	82.3	82.6	82.7	82.7	82.9	82.9	83.0	83.1
IV 2500	68.0	78.7	80.6	81.9	83.8	84.2	84.6	84.7	84.8	85.1	85.1	85.1	85.3	85.3	85.5	85.6
IV 2000	70.4	80.9	82.8	84.2	86.2	86.6	87.1	87.2	87.2	87.5	87.6	87.6	87.8	87.8	87.9	88.0
IV 1800	70.9	81.6	83.7	85.1	87.2	87.4	87.9	88.2	88.0	88.4	88.4	88.4	88.6	88.6	88.8	88.8
IV 1500	71.7	82.9	85.1	86.6	88.8	89.2	89.7	89.9	89.9	90.3	90.3	90.3	90.6	90.6	90.7	90.8
IV 1200	72.7	84.3	86.8	88.3	90.7	91.2	91.7	91.9	92.0	92.3	92.4	92.4	92.6	92.6	92.8	92.8
IV 1000	73.3	85.4	88.0	89.5	92.1	92.6	93.2	93.5	93.5	93.9	94.0	94.0	94.2	94.2	94.4	94.5
IV 900	73.6	86.0	88.7	90.3	93.0	93.5	94.1	94.4	94.5	95.0	95.0	95.0	95.3	95.3	95.4	95.5
IV 800	73.9	86.5	89.2	90.9	93.8	94.3	95.0	95.2	95.4	95.9	96.0	96.0	96.2	96.2	96.4	96.5
IV 700	74.0	86.7	89.5	91.4	94.3	94.9	95.5	95.8	96.0	96.7	96.9	96.9	97.1	97.1	97.3	97.4
IV 600	74.1	86.8	89.6	91.5	94.6	95.2	95.9	96.3	96.4	97.2	97.3	97.3	97.6	97.6	97.8	97.9
IV 500	74.1	86.8	89.6	91.5	94.6	95.3	96.2	96.5	96.6	97.4	97.6	97.6	97.9	97.9	98.1	98.2
IV 400	74.1	86.9	89.7	91.6	94.7	95.4	96.6	97.0	97.1	98.0	98.2	98.2	98.4	98.4	98.7	98.8
IV 300	74.1	86.9	89.7	91.6	94.7	95.4	96.6	97.1	97.3	98.2	98.4	98.4	98.7	98.7	98.9	99.0
IV 200	74.1	86.9	89.7	91.6	94.7	95.4	96.6	97.1	97.3	98.4	98.6	98.6	98.9	98.9	99.1	99.2
IV 100	74.1	86.9	89.7	91.6	94.7	95.4	96.6	97.2	97.3	98.4	98.6	98.6	98.9	98.9	99.1	99.4
IV 0	74.1	86.9	89.7	91.6	94.7	95.4	96.6	97.2	97.3	98.4	98.6	98.6	98.9	98.9	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 2626

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

23211 HAMILTON AFB CALIF/SAN RAFAEL 39-70

YEARS

DATE

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0700

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	59.2	62.0	62.4	62.6	62.9	63.0	63.2	63.3	63.3	63.4	63.5	63.5	63.6	63.6	63.6	63.9
IV 18000	65.1	68.5	68.8	69.0	69.4	69.5	69.7	69.8	69.8	70.0	70.0	70.0	70.2	70.2	70.2	70.6
IV 16000	65.3	68.7	69.0	69.2	69.6	69.7	69.8	70.0	70.0	70.2	70.2	70.2	70.4	70.4	70.5	70.8
IV 14000	65.4	68.8	69.1	69.3	69.7	69.8	70.0	70.1	70.1	70.3	70.4	70.4	70.5	70.5	70.6	70.9
IV 12000	66.7	70.1	70.5	70.7	71.1	71.2	71.3	71.5	71.5	71.7	71.7	71.7	71.9	71.9	71.9	72.3
IV 10000	68.2	71.7	72.0	72.3	72.6	72.8	72.9	73.0	73.0	73.2	73.3	73.3	73.5	73.5	73.5	73.8
IV 9000	69.5	73.0	73.3	73.6	74.0	74.1	74.3	74.4	74.4	74.6	74.6	74.6	74.8	74.8	74.8	75.2
IV 8000	70.1	73.6	73.9	74.2	74.6	74.8	74.9	75.0	75.0	75.2	75.3	75.3	75.4	75.4	75.5	75.8
IV 7000	70.7	74.1	74.5	74.8	75.2	75.3	75.5	75.6	75.6	75.8	75.8	75.8	76.0	76.0	76.0	76.4
IV 6000	71.6	75.2	75.5	75.8	76.2	76.4	76.5	76.7	76.7	76.8	76.9	76.9	77.1	77.1	77.1	77.4
IV 5000	72.6	76.2	76.5	76.9	77.3	77.4	77.6	77.7	77.7	77.8	77.9	77.9	78.1	78.1	78.1	78.4
IV 4500	73.7	77.5	77.9	78.2	78.6	78.7	78.9	79.0	79.0	79.2	79.2	79.2	79.4	79.4	79.4	79.6
IV 4000	74.1	78.0	78.4	78.7	79.1	79.2	79.4	79.5	79.5	79.7	79.8	79.8	79.9	79.9	80.0	80.3
IV 3500	75.3	79.3	79.7	80.1	80.5	80.6	80.8	80.9	80.9	81.0	81.1	81.1	81.3	81.3	81.3	81.6
IV 3000	76.9	81.1	81.5	81.9	82.3	82.4	82.6	82.7	82.7	82.9	82.9	82.9	83.1	83.1	83.1	83.5
IV 2500	78.6	83.2	83.7	84.0	84.5	84.6	84.8	84.9	84.9	85.0	85.1	85.1	85.3	85.3	85.3	85.6
IV 2000	80.4	85.4	86.1	86.4	86.9	87.0	87.2	87.3	87.3	87.5	87.5	87.5	87.7	87.7	87.7	88.1
IV 1800	82.6	88.1	89.0	89.3	89.8	90.0	90.3	90.4	90.4	90.5	90.6	90.6	90.8	90.8	90.8	91.1
IV 1500	83.3	88.8	89.3	90.1	90.6	90.7	91.0	91.1	91.1	91.3	91.4	91.4	91.5	91.5	91.6	91.9
IV 1200	84.6	90.7	91.8	92.2	92.7	92.8	93.1	93.2	93.2	93.4	93.5	93.5	93.7	93.7	93.7	94.0
IV 1000	85.5	92.1	93.2	93.8	94.5	94.6	94.9	95.0	95.0	95.2	95.3	95.3	95.5	95.5	95.5	95.8
IV 900	86.1	92.9	94.0	94.7	95.6	95.8	96.1	96.2	96.2	96.4	96.5	96.5	96.6	96.6	96.7	97.0
IV 800	86.3	93.4	94.8	95.6	96.6	96.7	97.0	97.1	97.1	97.3	97.4	97.4	97.6	97.6	97.6	97.9
IV 700	86.6	93.7	95.2	96.2	97.2	97.4	97.7	97.8	97.8	98.0	98.1	98.1	98.3	98.3	98.3	98.7
IV 600	86.6	93.9	95.5	96.5	97.6	97.7	98.0	98.2	98.2	98.4	98.5	98.5	98.6	98.6	98.7	99.0
IV 500	86.9	94.3	95.9	96.9	98.0	98.2	98.5	98.7	98.7	98.9	98.9	98.9	99.1	99.1	99.2	99.5
IV 400	86.9	94.4	96.0	97.1	98.3	98.5	98.8	98.9	98.9	99.1	99.2	99.2	99.4	99.4	99.4	99.8
IV 300	86.9	94.4	96.1	97.2	98.3	98.5	98.8	99.0	99.0	99.2	99.3	99.3	99.5	99.5	99.5	99.9
IV 200	86.9	94.4	96.1	97.2	98.4	98.6	98.9	99.0	99.0	99.2	99.3	99.3	99.5	99.5	99.5	99.9
IV 100	86.9	94.4	96.1	97.2	98.4	98.6	98.9	99.0	99.0	99.2	99.3	99.3	99.5	99.5	99.5	100.0
IV 0	86.9	94.4	96.1	97.2	98.4	98.6	98.9	99.0	99.0	99.2	99.3	99.3	99.5	99.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 2968

USAF ETAC FORM 14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL

39-70  
YEARS

BAR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5 16	≥¼	≥0
NO CEILING	54.2	57.1	57.5	57.8	58.0	59.1	58.3	58.4	58.4	58.6	58.7	58.7	58.9	59.0	59.3	59.9
≥20000	59.5	63.0	63.5	63.8	64.1	64.1	64.5	64.6	64.6	64.8	64.9	64.9	65.2	65.3	65.7	66.3
≥18000	59.8	63.4	63.8	64.2	64.4	64.5	64.8	64.9	64.9	65.1	65.2	65.2	65.5	65.6	66.1	66.6
≥16000	60.1	63.6	64.1	64.4	64.7	64.7	65.1	65.2	65.2	65.4	65.5	65.5	65.8	65.9	66.4	66.9
≥14000	61.1	64.7	65.2	65.5	65.7	65.8	66.2	66.3	66.3	66.5	66.6	66.6	66.9	67.0	67.4	68.0
≥12000	62.7	66.3	66.7	67.1	67.3	67.4	67.7	67.8	67.8	68.0	68.2	68.2	68.5	68.6	69.0	69.5
≥10000	63.9	67.5	68.0	68.3	68.5	68.6	68.9	69.0	69.1	69.3	69.4	69.4	69.7	69.8	70.2	70.8
≥9000	64.2	67.7	68.3	68.6	68.9	68.9	69.3	69.4	69.4	69.6	69.7	69.7	70.1	70.2	70.6	71.1
≥8000	64.7	68.3	68.8	69.2	69.4	69.5	69.8	69.9	69.9	70.2	70.3	70.3	70.6	70.7	71.1	71.6
≥7000	65.4	69.0	69.6	69.9	70.2	70.3	70.6	70.7	70.7	70.9	71.1	71.1	71.4	71.5	71.9	72.4
≥6000	66.1	69.8	70.5	70.8	71.0	71.1	71.4	71.5	71.6	71.8	71.9	71.9	72.2	72.3	72.7	73.2
≥5000	67.7	71.6	72.2	72.5	72.8	72.9	73.2	73.3	73.3	73.5	73.7	73.7	74.0	74.1	74.5	75.0
≥4500	68.3	72.3	73.0	73.3	73.6	73.6	74.0	74.1	74.1	74.3	74.5	74.5	74.8	74.9	75.3	75.8
≥4000	69.7	74.1	74.8	75.1	75.4	75.4	75.8	75.9	75.9	76.1	76.2	76.2	76.5	76.6	77.0	77.6
≥3500	71.2	75.9	76.6	76.9	77.2	77.3	77.6	77.7	77.7	77.9	78.1	78.1	78.4	78.5	78.9	79.4
≥3000	72.6	77.6	78.4	78.7	79.0	79.1	79.4	79.5	79.6	79.8	79.9	79.9	80.2	80.3	80.7	81.3
≥2500	74.9	80.1	81.0	81.4	81.7	81.8	82.1	82.2	82.3	82.5	82.6	82.6	82.9	83.0	83.4	84.0
≥2000	77.2	83.1	84.1	84.6	85.0	85.1	85.5	85.6	85.6	85.8	86.0	86.0	86.3	86.4	86.8	87.4
≥1800	78.0	84.1	85.2	85.6	86.1	86.2	86.6	86.7	86.8	87.0	87.2	87.2	87.5	87.6	88.0	88.5
≥1500	79.8	86.5	87.8	88.3	88.8	88.9	89.4	89.5	89.5	89.8	89.9	89.9	90.3	90.4	90.8	91.4
≥1200	80.8	88.2	89.6	90.3	91.0	91.1	91.7	91.8	91.8	92.1	92.3	92.3	92.6	92.7	93.1	93.7
≥1000	81.3	89.1	90.7	91.4	92.5	92.6	93.1	93.3	93.3	93.6	93.7	93.7	94.1	94.2	94.6	95.2
≥900	81.5	89.5	91.3	92.1	93.2	93.3	93.9	94.1	94.1	94.4	94.6	94.6	94.9	95.0	95.4	96.0
≥800	81.7	89.9	91.6	92.6	93.8	94.0	94.7	94.8	94.8	95.1	95.3	95.3	95.6	95.7	96.1	96.7
≥700	82.2	90.6	92.4	93.4	94.7	94.8	95.5	95.7	95.7	96.0	96.2	96.2	96.5	96.6	97.0	97.6
≥600	82.3	90.8	92.8	93.7	95.2	95.3	96.0	96.2	96.2	96.5	96.7	96.7	97.0	97.1	97.5	98.1
≥500	82.4	91.1	93.1	94.1	95.6	95.7	96.5	96.6	96.7	96.9	97.1	97.1	97.5	97.6	98.0	98.6
≥400	82.4	91.1	93.2	94.3	95.8	95.9	96.7	96.8	96.9	97.1	97.4	97.4	97.7	97.8	98.2	98.8
≥300	82.4	91.1	93.2	94.3	95.9	96.1	96.8	97.0	97.0	97.3	97.6	97.6	97.9	98.0	98.4	99.0
≥200	82.4	91.1	93.2	94.3	96.0	96.1	96.9	97.0	97.1	97.4	97.6	97.6	98.1	98.2	98.6	99.2
≥100	82.4	91.1	93.2	94.3	96.0	96.1	96.9	97.0	97.1	97.5	97.7	97.7	98.2	98.3	98.9	99.6
≥0	82.4	91.1	93.2	94.3	96.0	96.1	96.9	97.0	97.1	97.5	97.7	97.7	98.3	98.4	99.0	100.0

USAF ETAC

FORM 7-64

0-14-5 (OL 1)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

TOTAL NUMBER OF OBSERVATIONS 2575

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

23211 HAMILTON AFB CALIF/SAN XAAEL

39-70

YEARS

MAC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0004-9200

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	42.7	47.7	45.4	48.7	49.1	49.1	49.3	49.3	49.4	49.7	49.8	49.9	50.0	50.1	50.4	51.2
≥20000	48.4	54.2	55.3	55.8	55.5	56.6	56.9	57.0	57.0	57.5	57.6	57.6	57.9	58.0	58.4	59.2
≥18000	48.5	54.4	55.3	56.0	56.7	56.8	57.1	57.2	57.2	57.7	57.8	57.8	58.1	58.2	58.6	59.5
≥16000	48.9	54.9	56.0	56.5	57.2	57.3	57.6	57.7	57.7	58.2	58.4	58.4	58.6	58.7	59.2	60.0
≥14000	49.8	56.0	57.1	57.6	58.4	58.4	58.7	58.9	58.9	59.4	59.5	59.5	59.8	59.9	60.3	61.1
≥12000	51.8	58.2	59.5	60.0	60.7	60.8	61.1	61.2	61.2	61.7	61.9	61.9	62.2	62.3	62.8	63.6
≥10000	53.1	59.8	61.0	61.6	62.4	62.4	62.8	62.9	63.0	63.5	63.6	63.6	63.9	64.0	64.5	65.3
≥9000	53.7	60.4	61.7	62.4	63.1	63.2	63.5	63.7	63.7	64.2	64.4	64.4	64.7	64.8	65.2	66.1
≥8000	54.8	61.5	62.8	63.5	64.2	64.3	64.6	64.8	64.8	65.3	65.5	65.5	65.8	65.9	66.4	67.2
≥7000	55.4	62.6	63.8	64.5	65.3	65.3	65.7	65.8	65.9	66.4	66.5	66.5	66.8	66.9	67.4	68.2
≥6000	56.3	63.3	64.7	65.3	66.1	66.2	66.6	66.7	66.8	67.3	67.4	67.4	67.7	67.8	68.3	69.1
≥5000	57.6	65.0	66.4	67.1	67.9	68.0	68.3	68.5	68.5	69.0	69.2	69.2	69.5	69.6	70.1	70.9
≥4500	58.3	65.9	67.4	68.1	68.9	68.9	69.3	69.5	69.5	70.0	70.2	70.2	70.5	70.6	71.0	71.9
≥4000	59.3	67.2	68.6	69.4	70.2	70.3	70.7	70.8	70.9	71.4	71.5	71.5	71.8	71.9	72.4	73.2
≥3500	60.1	68.3	69.9	70.7	71.5	71.5	71.9	72.1	72.1	72.6	72.8	72.8	73.1	73.2	73.7	74.5
≥3000	61.4	70.2	71.7	72.5	73.3	73.4	73.8	74.0	74.0	74.5	74.7	74.7	75.0	75.1	75.6	76.4
≥2500	63.3	72.7	74.4	75.3	76.1	76.2	76.6	76.8	76.8	77.3	77.4	77.4	77.8	77.9	78.4	79.2
≥2000	65.9	76.2	78.3	79.5	80.3	80.4	80.9	81.1	81.1	81.6	81.8	81.8	82.1	82.2	82.7	83.5
≥1800	66.8	77.2	79.3	80.5	81.3	81.4	81.9	82.1	82.1	82.7	82.8	82.8	83.1	83.2	83.7	84.5
≥1500	68.7	79.9	82.0	83.7	84.6	84.7	85.2	85.4	85.4	86.0	86.1	86.1	86.5	86.6	87.0	87.9
≥1200	70.0	82.1	84.5	86.4	87.6	87.8	88.3	88.5	88.6	89.2	89.4	89.4	89.7	89.8	90.3	91.1
≥1000	70.4	82.9	85.4	87.6	89.1	89.2	89.9	90.3	90.3	91.0	91.2	91.2	91.5	91.6	92.1	92.9
≥900	70.5	83.3	85.9	88.2	89.9	90.1	90.9	91.2	91.3	92.0	92.1	92.1	92.5	92.6	93.0	93.9
≥800	70.7	83.8	86.3	89.0	90.8	91.0	92.0	92.3	92.4	93.1	93.3	93.3	93.6	93.7	94.2	95.0
≥700	70.9	84.3	86.9	89.6	91.5	91.6	92.7	93.1	93.2	94.0	94.2	94.2	94.5	94.6	95.1	95.9
≥600	71.1	84.5	87.3	90.0	92.0	92.2	93.2	93.7	93.8	94.6	94.8	94.8	95.1	95.2	95.7	96.6
≥500	71.1	84.7	87.6	90.4	92.5	92.8	94.1	94.6	94.7	95.5	95.6	95.6	96.0	96.1	96.6	97.4
≥400	71.1	84.8	87.7	90.5	92.7	93.0	94.3	94.8	94.9	95.8	95.9	95.9	96.3	96.4	97.0	97.9
≥300	71.1	84.8	87.7	90.6	92.8	93.1	94.5	95.0	95.1	96.0	96.1	96.2	96.5	96.6	97.3	98.2
≥200	71.1	84.8	87.7	90.6	92.9	93.1	94.5	95.1	95.2	96.2	96.3	96.4	96.7	96.8	97.6	98.6
≥100	71.1	84.8	87.7	90.6	92.9	93.2	94.6	95.1	95.3	96.2	96.4	96.5	96.8	97.0	97.9	99.2
0	71.1	84.8	87.7	90.6	92.9	93.2	94.6	95.1	95.3	96.2	96.4	96.5	96.8	97.0	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 2975

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23211

HAMILTON AFB CALIF/SAN RAFAEL

39-70

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

000-1100

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥⅓	≥⅒	≥0
NO CEILING ≥ 20000	39.4	45.9	47.1	47.5	47.6	47.6	47.8	47.8	47.8	47.8	47.8	47.9	47.9	47.9	47.9	48.1
IV 18000	46.6	56.2	57.2	57.8	58.1	58.1	58.3	58.3	58.3	58.3	58.3	58.4	58.4	58.4	58.4	58.6
IV 16000	46.8	56.4	57.5	58.1	58.3	58.4	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.7	58.9
IV 14000	47.2	56.9	58.0	58.6	58.8	58.9	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.2	59.4
IV 12000	48.3	58.4	59.4	60.0	60.2	60.3	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.6	60.8
IV 10000	49.6	60.1	61.1	61.8	62.0	62.0	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.4	62.5
IV 9000	50.8	61.6	62.7	63.5	63.7	63.7	63.9	63.9	63.9	63.9	63.9	64.0	64.0	64.0	64.0	64.2
IV 8000	51.2	62.3	63.4	64.2	64.4	64.4	64.6	64.6	64.6	64.6	64.6	64.7	64.7	64.7	64.7	64.9
IV 7000	52.0	63.3	64.4	65.2	65.4	65.4	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.8	65.9
IV 6000	52.8	64.3	65.4	66.3	66.5	66.5	66.7	66.7	66.7	66.7	66.7	66.8	66.8	66.8	66.8	67.0
IV 5000	53.7	65.2	66.4	67.3	67.5	67.5	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.9	68.0
IV 4500	54.8	66.6	67.7	68.6	68.9	68.9	69.1	69.1	69.1	69.1	69.1	69.2	69.2	69.2	69.2	69.4
IV 4000	55.3	67.2	68.4	69.4	69.6	69.7	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	70.0	70.2
IV 3500	56.6	68.8	70.0	71.0	71.4	71.4	71.6	71.6	71.6	71.6	71.6	71.7	71.7	71.7	71.7	71.9
IV 3000	57.7	70.2	71.4	72.4	72.8	72.8	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.2	73.3
IV 2500	60.0	72.8	74.1	75.2	75.6	75.6	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	76.0	76.1
IV 2000	62.7	76.0	77.3	78.6	79.0	79.1	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.4	79.6
IV 1800	66.3	80.8	82.2	83.7	84.2	84.2	84.5	84.6	84.6	84.6	84.7	84.7	84.7	84.7	84.8	84.9
IV 1500	67.4	82.0	83.4	84.9	85.4	85.5	85.7	85.9	85.9	85.9	85.9	86.0	86.0	86.0	86.1	86.2
IV 1200	68.6	84.3	85.8	87.5	88.3	88.4	88.7	88.9	88.9	88.9	89.0	89.0	89.0	89.0	89.1	89.2
IV 1000	69.4	86.4	88.3	90.4	91.5	91.6	92.0	92.3	92.3	92.3	92.3	92.4	92.4	92.4	92.4	92.6
IV 900	69.6	87.3	89.7	91.9	93.2	93.4	93.9	94.2	94.2	94.2	94.2	94.3	94.3	94.3	94.3	94.5
IV 800	69.7	87.9	90.2	92.6	94.0	94.2	94.8	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.3	95.4
IV 700	70.1	88.3	90.8	93.5	95.1	95.3	96.0	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.7	96.8
IV 600	70.1	88.6	91.2	93.0	95.6	95.9	96.7	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.4	97.6
IV 500	70.2	88.9	91.6	94.4	96.1	96.4	97.2	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.9	98.1
IV 400	70.2	89.1	91.8	94.7	96.4	96.8	97.6	98.2	98.2	98.4	98.4	98.4	98.4	98.5	98.5	98.7
IV 300	70.3	89.2	91.9	94.8	96.6	97.0	98.0	98.5	98.6	98.7	98.8	98.8	98.8	98.9	99.0	99.1
IV 200	70.3	89.3	92.0	94.9	96.7	97.1	98.1	98.7	98.7	99.0	99.1	99.1	99.2	99.2	99.3	99.5
IV 100	70.3	89.3	92.0	94.9	96.7	97.1	98.1	98.7	98.8	99.1	99.2	99.3	99.4	99.5	99.6	99.8
IV 0	70.3	89.3	92.0	94.9	96.7	97.1	98.1	98.7	98.8	99.1	99.2	99.3	99.4	99.5	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 2975

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

23211 STATION HAMILTON AFB CALIF/SAN RAFAEL 39-70 YEAR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	42.4	49.0	49.8	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥20000	51.3	60.6	61.6	62.2	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥18000	51.6	60.9	61.9	62.5	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥16000	52.3	61.8	62.8	63.4	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥14000	53.3	62.9	64.0	64.6	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥12000	54.3	64.2	65.3	65.9	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥10000	55.6	65.6	67.0	67.6	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥9000	55.8	66.1	67.3	67.9	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥8000	56.7	67.1	68.3	69.0	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥7000	57.2	67.8	69.0	69.7	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥6000	57.8	68.5	69.7	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥5000	58.5	69.3	70.6	71.2	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥4500	59.4	70.2	71.4	72.1	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥4000	61.3	72.5	73.7	74.4	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥3500	62.9	74.2	75.5	76.2	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥3000	66.2	78.1	79.3	80.2	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥2500	70.3	82.9	84.3	85.1	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥2000	74.4	86.4	89.9	90.7	91.0	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥1800	74.9	89.2	90.8	91.6	91.9	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥1500	76.1	91.7	92.9	94.1	94.5	94.6	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥1200	76.7	92.3	94.2	95.5	96.3	96.4	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥1000	77.0	93.0	95.1	96.6	97.5	97.7	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥900	77.1	93.4	95.5	97.0	98.1	98.4	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥800	77.2	93.6	95.7	97.3	98.6	98.8	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥700	77.2	93.6	95.8	97.4	98.7	98.9	99.3	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥600	77.3	93.7	95.8	97.4	98.7	98.9	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥500	77.3	93.7	95.8	97.4	98.7	98.9	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥400	77.3	93.7	95.9	97.5	98.8	99.0	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥300	77.3	93.7	95.9	97.5	98.8	99.0	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥200	77.3	93.7	95.9	97.5	98.8	99.0	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥100	77.3	93.7	95.9	97.5	98.8	99.0	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥0	77.3	93.7	95.9	97.5	98.8	99.0	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2275



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

23211

HAMILTON AFB CALIF/SAN RAFAEL

39-70

YEARS

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥0
NO CEILING	49.4	53.3	53.5	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥20000	61.2	66.4	66.7	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
IV 18000	61.6	66.8	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 16000	62.6	68.0	68.3	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
IV 14000	64.3	69.8	70.2	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 12000	66.0	71.6	72.0	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 10000	67.4	73.1	73.5	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 9000	67.8	73.6	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
IV 8000	68.8	74.7	75.1	75.2	75.2	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 7000	69.4	75.4	75.8	76.0	76.0	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 6000	70.1	76.2	76.6	76.8	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 5000	70.9	77.3	77.7	77.9	78.0	78.0	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 4500	71.7	78.1	78.5	78.7	78.8	78.8	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IV 4000	73.6	80.2	80.9	80.9	80.9	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 3500	74.9	81.9	82.3	82.5	82.6	82.6	82.6	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7
IV 3000	77.6	84.9	85.3	85.7	85.8	85.8	85.8	85.8	85.8	85.9	85.9	85.9	85.9	85.9	85.9
IV 2500	80.4	88.3	88.8	89.1	89.2	89.2	89.3	89.3	89.3	89.4	89.4	89.4	89.4	89.4	89.4
IV 2000	82.6	91.2	91.8	92.2	92.3	92.3	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 1800	83.0	91.8	92.4	92.8	93.0	93.0	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 1500	84.2	93.5	94.3	94.8	95.1	95.1	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 1200	84.8	94.5	95.4	96.1	96.6	96.6	96.8	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0
IV 1000	85.2	95.3	96.5	97.5	98.2	98.2	98.6	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
IV 900	85.5	95.5	96.7	97.8	98.5	98.6	99.0	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
IV 800	85.5	95.6	96.8	98.0	98.8	98.9	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7
IV 700	85.5	95.6	96.8	98.0	98.9	98.9	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	85.5	95.6	96.8	98.1	99.0	99.0	99.5	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	85.5	95.6	96.9	98.1	99.0	99.1	99.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	85.5	95.6	96.9	98.1	99.0	99.1	99.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	85.5	95.6	96.9	98.1	99.0	99.1	99.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	85.5	95.6	96.9	98.1	99.0	99.1	99.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	85.5	95.6	96.9	98.1	99.0	99.1	99.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	85.5	95.6	96.9	98.1	99.0	99.1	99.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS ( ) 2976

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23211 HAMILTON AFB CALIF/SAN RAFAEL

39-70

YEARS

MAC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1400-2000

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	57.1	59.7	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 20000	66.9	70.5	70.8	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 18000	67.5	71.2	71.5	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IV 16000	67.8	71.5	71.8	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 14000	69.6	73.3	73.6	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 12000	71.7	75.4	75.7	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 10000	73.4	77.2	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 9000	74.2	77.9	78.4	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
IV 8000	75.2	79.0	79.4	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
IV 7000	76.1	80.2	80.7	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
IV 6000	77.0	81.2	81.7	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 5000	78.0	82.2	82.8	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 4500	78.6	82.9	83.4	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 4000	79.5	84.1	84.6	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
IV 3500	80.3	85.1	85.7	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 3000	81.4	86.4	87.1	87.3	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
IV 2500	83.7	88.9	89.6	89.8	90.0	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 2000	85.5	91.5	92.2	92.4	92.6	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 1800	85.9	91.9	92.7	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 1500	86.8	93.3	94.3	94.6	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 1200	87.3	94.4	95.5	95.9	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 1000	88.0	95.4	96.7	97.2	97.8	97.9	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 900	88.0	95.6	97.0	97.6	98.3	98.4	98.8	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 800	88.0	95.8	97.2	97.9	98.7	98.8	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 700	88.1	95.9	97.3	98.0	98.8	98.9	99.3	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 600	88.1	96.0	97.4	98.1	98.9	99.0	99.4	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	88.1	96.0	97.4	98.1	98.9	99.0	99.5	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	88.2	96.0	97.4	98.2	99.0	99.1	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	88.2	96.0	97.4	98.2	99.0	99.1	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	88.2	96.0	97.4	98.2	99.0	99.1	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	88.2	96.0	97.4	98.2	99.0	99.1	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	88.2	96.0	97.4	98.2	99.0	99.1	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 2975

USAF ETAC FORM 34 JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION 23211 NAME HAMILTON AFB CALIF/SAN RAFAEL YEARS 29-70 MAP 54P

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	62.2	64.6	65.0	65.1	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 18000	68.8	71.5	71.9	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 16000	69.0	71.7	72.1	72.2	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 14000	69.2	72.0	72.4	72.5	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 12000	70.6	73.4	73.8	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
IV 10000	72.1	75.0	75.4	75.5	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 8000	74.0	77.0	77.4	77.5	77.6	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 7000	74.6	77.4	78.0	78.2	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 6000	75.5	78.6	79.0	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 5000	76.5	79.5	80.0	80.1	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 4500	77.7	80.9	81.3	81.4	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 4000	79.1	82.5	82.9	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 3500	79.8	83.1	83.6	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 3000	80.9	84.5	85.0	85.1	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IV 2500	81.8	85.4	85.9	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 2000	83.4	87.3	87.9	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 1800	84.9	88.9	89.6	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 1500	86.8	91.3	92.2	92.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 1200	87.4	92.0	92.9	93.2	93.5	93.5	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 1000	88.4	93.5	94.4	94.8	95.1	95.1	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 900	89.2	94.5	95.7	96.1	96.6	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 800	89.8	95.3	96.6	97.2	97.9	97.9	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 700	90.0	95.5	97.2	97.8	98.6	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 600	90.1	95.9	97.4	98.0	98.8	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 500	90.2	96.2	97.6	98.3	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 400	90.3	96.2	97.8	98.5	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	90.3	96.3	97.9	98.6	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	90.3	96.3	97.9	98.6	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	90.3	96.3	97.9	98.6	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	90.3	96.3	97.9	98.6	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 2973

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

23211

HAMILTON AFB CALIF/SAN RAFAEL

39-70

YEARS

APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5-16	≥¼	≥0
NO CEILING	64.2	67.7	68.1	68.1	68.4	68.4	68.5	68.5	68.5	68.7	68.7	68.7	68.8	68.8	68.9	69.0
≥ 20000	65.6	73.7	74.0	74.1	74.4	74.4	74.5	74.6	74.6	74.7	74.8	74.8	74.9	74.9	75.0	75.1
≥ 18000	69.5	73.8	74.1	74.2	74.5	74.5	74.6	74.7	74.7	74.8	74.9	74.9	75.0	75.0	75.1	75.3
≥ 16000	69.3	74.1	74.4	74.5	74.9	74.9	75.0	75.0	75.0	75.2	75.2	75.2	75.4	75.4	75.5	75.6
≥ 14000	70.9	75.1	75.5	75.6	75.9	75.9	76.0	76.1	76.1	76.2	76.3	76.3	76.4	76.4	76.5	76.6
≥ 12000	71.8	76.2	76.5	76.6	77.0	77.0	77.1	77.1	77.1	77.3	77.3	77.3	77.5	77.5	77.6	77.7
≥ 10000	73.2	77.5	77.9	78.0	78.3	78.3	78.4	78.4	78.4	78.6	78.7	78.7	78.8	78.8	78.9	79.0
≥ 9000	73.4	77.8	78.1	78.2	78.5	78.5	78.6	78.7	78.7	78.8	78.9	78.9	79.0	79.0	79.1	79.2
IV 8000	73.9	78.3	78.7	78.8	79.1	79.1	79.2	79.2	79.3	79.5	79.5	79.5	79.6	79.6	79.7	79.9
IV 7000	74.9	79.3	79.6	79.9	80.1	80.1	80.2	80.3	80.3	80.4	80.5	80.5	80.6	80.6	80.7	80.8
IV 6000	75.2	79.7	80.0	80.1	80.5	80.5	80.6	80.6	80.6	80.8	80.8	80.8	81.0	81.0	81.1	81.2
IV 5000	76.1	80.7	81.1	81.2	81.6	81.6	81.7	81.7	81.7	81.9	81.9	81.9	82.1	82.1	82.2	82.3
IV 4500	76.7	81.4	81.8	81.9	82.2	82.2	82.3	82.4	82.4	82.6	82.6	82.6	82.7	82.7	82.8	83.0
IV 4000	77.6	82.4	82.8	82.9	83.3	83.3	83.4	83.4	83.4	83.6	83.6	83.6	83.8	83.8	83.9	84.0
IV 3500	78.4	83.4	83.8	83.9	84.3	84.3	84.4	84.4	84.4	84.6	84.6	84.6	84.8	84.8	84.9	85.0
IV 3000	79.8	84.9	85.3	85.5	85.9	85.9	86.0	86.0	86.0	86.2	86.2	86.2	86.3	86.3	86.4	86.6
IV 2500	81.5	86.9	87.3	87.5	87.8	87.8	87.9	88.0	88.0	88.1	88.2	88.2	88.3	88.3	88.4	88.6
IV 2000	83.9	89.5	90.0	90.2	90.6	90.6	90.8	90.8	90.8	91.0	91.0	91.0	91.1	91.1	91.2	91.4
IV 1800	84.5	90.2	90.7	90.9	91.4	91.4	91.5	91.5	91.5	91.7	91.7	91.7	91.9	91.9	92.0	92.1
IV 1500	85.8	91.7	92.4	92.6	93.1	93.2	93.3	93.3	93.3	93.5	93.5	93.5	93.7	93.7	93.8	93.9
IV 1200	87.0	93.2	94.0	94.3	95.0	95.0	95.1	95.2	95.2	95.4	95.4	95.4	95.6	95.6	95.7	95.8
IV 1000	87.8	94.4	95.2	95.7	96.4	96.5	96.6	96.6	96.6	96.8	96.8	96.8	97.0	97.0	97.1	97.2
IV 900	88.2	95.1	95.9	96.4	97.1	97.1	97.3	97.3	97.3	97.5	97.5	97.5	97.7	97.7	97.8	97.9
IV 800	88.3	95.4	96.3	96.7	97.5	97.5	97.6	97.7	97.7	97.9	97.9	97.9	98.1	98.1	98.2	98.3
IV 700	88.5	95.7	96.6	97.0	97.8	97.9	98.0	98.1	98.1	98.3	98.3	98.3	98.4	98.4	98.5	98.6
IV 600	88.6	95.9	96.8	97.3	98.2	98.3	98.4	98.5	98.5	98.7	98.7	98.7	98.9	98.9	99.0	99.1
IV 500	88.7	96.1	97.1	97.5	98.6	98.7	98.8	98.9	98.9	99.1	99.1	99.1	99.2	99.2	99.3	99.5
IV 400	88.7	96.1	97.1	97.5	98.6	98.7	98.8	98.9	98.9	99.1	99.1	99.1	99.2	99.2	99.3	99.5
IV 300	88.7	96.1	97.1	97.5	98.6	98.7	98.8	98.9	98.9	99.1	99.1	99.1	99.2	99.2	99.3	99.5
IV 200	88.7	96.1	97.1	97.5	98.6	98.7	98.8	98.9	98.9	99.1	99.1	99.1	99.2	99.2	99.3	99.5
IV 100	88.7	96.1	97.1	97.5	98.6	98.7	98.8	98.9	98.9	99.1	99.1	99.1	99.2	99.2	99.3	99.5
IV 0	88.7	96.1	97.1	97.5	98.6	98.7	98.8	98.9	98.9	99.1	99.1	99.1	99.2	99.2	99.3	99.5

TOTAL NUMBER OF OBSERVATIONS 2377

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION

HAMILTON AFB CALIF/SAN RAFAEL

YEARS

AFR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0400-0500  
MOON (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	55.9	60.6	61.3	61.6	61.9	62.0	62.3	62.4	62.4	63.0	63.0	63.0	63.2	63.2	63.4	63.6
IV 18000	61.0	66.6	67.4	67.7	68.1	68.2	68.5	68.6	68.7	69.3	69.3	69.3	69.5	69.5	69.8	70.0
IV 16000	61.2	66.9	67.6	68.0	68.3	68.5	68.7	68.9	69.0	69.5	69.5	69.6	69.8	69.8	70.0	70.2
IV 14000	61.3	66.9	67.7	68.1	68.4	68.5	68.8	69.0	69.0	69.6	69.6	69.7	69.8	69.8	70.1	70.3
IV 12000	62.1	67.8	68.3	68.9	69.2	69.4	69.6	69.8	69.8	70.4	70.5	70.8	70.7	70.7	70.9	71.1
IV 10000	63.1	68.8	69.5	69.9	70.2	70.3	70.6	70.8	70.8	71.4	71.4	71.5	71.6	71.6	71.9	72.1
IV 9000	64.2	69.9	70.6	71.0	71.3	71.5	71.7	71.9	71.9	72.5	72.5	72.6	72.7	72.7	73.0	73.2
IV 8000	64.3	70.0	70.8	71.1	71.5	71.6	71.9	72.0	72.1	72.7	72.7	72.7	72.9	72.9	73.2	73.4
IV 7000	64.8	70.6	71.3	71.7	72.0	72.2	72.4	72.6	72.6	73.2	73.3	73.3	73.5	73.5	73.8	74.0
IV 6000	55.6	71.4	72.1	72.5	72.9	73.0	73.3	73.5	73.5	74.1	74.1	74.2	74.4	74.4	74.7	74.9
IV 5000	66.3	72.2	72.9	73.3	73.6	73.8	74.1	74.2	74.3	74.9	74.9	74.9	75.1	75.1	75.4	75.6
IV 4500	67.4	73.4	74.2	74.6	75.0	75.1	75.4	75.6	75.6	76.2	76.2	76.3	76.5	76.5	76.7	76.9
IV 4000	67.9	74.0	74.8	75.1	75.5	75.7	75.9	76.1	76.1	76.7	76.8	76.8	77.0	77.0	77.3	77.5
IV 3500	68.9	75.1	75.9	76.3	76.6	76.8	77.0	77.2	77.3	77.8	77.9	77.9	78.1	78.1	78.4	78.6
IV 3000	70.1	76.4	77.2	77.6	78.0	78.1	78.4	78.6	78.6	79.2	79.2	79.3	79.5	79.5	79.8	80.0
IV 2500	71.4	78.0	78.8	79.1	79.5	79.7	79.9	80.1	80.1	80.7	80.8	80.8	81.0	81.0	81.3	81.5
IV 2000	73.6	80.5	81.3	81.6	82.0	82.2	82.4	82.6	82.6	83.2	83.3	83.3	83.5	83.5	83.8	84.0
IV 1800	76.2	83.3	84.2	84.6	85.0	85.2	85.5	85.6	85.7	86.3	86.3	86.3	86.5	86.5	86.8	87.0
IV 1500	77.0	84.2	85.1	85.6	86.0	86.2	86.5	86.7	86.7	87.3	87.3	87.4	87.6	87.6	87.8	88.1
IV 1200	78.5	86.1	87.1	87.6	88.2	88.3	88.7	88.9	88.9	89.5	89.5	89.5	89.8	89.8	90.0	90.2
IV 1000	80.5	88.5	89.7	90.2	91.0	91.2	91.5	91.7	91.7	92.3	92.4	92.4	92.6	92.6	93.0	93.2
IV 900	81.4	89.9	91.0	91.7	92.5	92.7	93.1	93.2	93.3	93.9	93.9	93.9	94.2	94.2	94.5	94.7
IV 800	81.6	90.5	91.7	92.4	93.3	93.5	93.9	94.1	94.1	94.7	94.7	94.8	95.0	95.0	95.3	95.5
IV 700	81.9	91.1	92.4	93.1	94.1	94.2	94.6	94.8	94.8	95.4	95.4	95.5	95.8	95.8	96.1	96.3
IV 600	82.3	91.9	93.5	94.2	95.2	95.3	95.8	96.0	96.1	96.7	96.8	96.8	97.1	97.1	97.4	97.6
IV 500	82.3	92.2	93.9	94.7	95.9	96.1	96.5	96.8	96.8	97.5	97.6	97.6	97.9	97.9	98.2	98.4
IV 400	82.6	92.3	94.0	94.9	96.1	96.4	96.8	97.0	97.1	97.8	97.9	98.0	98.3	98.3	98.6	98.8
IV 300	82.4	92.4	94.1	94.9	96.3	96.5	96.9	97.2	97.2	98.1	98.2	98.2	98.5	98.5	98.9	99.1
IV 200	82.6	92.4	94.1	94.9	96.3	96.5	96.9	97.2	97.2	98.2	98.3	98.4	98.8	98.8	99.2	99.4
IV 100	82.4	92.4	94.1	94.9	96.3	96.5	97.0	97.2	97.3	98.2	98.4	98.4	98.9	98.9	99.3	99.6
IV 0	82.4	92.4	94.1	94.9	96.3	96.5	97.0	97.2	97.3	98.2	98.4	98.4	98.9	98.9	99.3	100.0

USAF ETAC

FORM  
AFR 64

0-14-5 (OL 1)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

TOTAL NUMBER OF OBSERVATIONS

2880



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL

39-70  
YEARS

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0400-0800  
HOURS OF DAY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	44.5	51.0	52.5	53.2	53.5	53.7	53.8	54.0	54.0	54.3	54.3	54.3	54.6	54.7	55.0	55.3
≥20000	51.2	60.3	61.3	62.2	62.8	62.9	63.1	63.4	63.4	63.8	64.0	64.0	64.2	64.2	64.6	64.9
IV 18000	51.4	60.5	61.4	62.4	63.0	63.1	63.3	63.6	63.6	63.9	64.2	64.2	64.4	64.4	64.8	65.1
IV 16000	51.8	61.0	62.0	62.9	63.5	63.6	63.8	64.1	64.1	64.5	64.7	64.7	64.9	64.9	65.3	65.6
IV 14000	52.6	61.9	62.9	63.9	64.4	64.6	64.8	65.1	65.1	65.4	65.7	65.7	65.8	65.9	66.2	66.6
IV 12000	53.8	63.4	64.4	65.4	65.9	66.1	66.3	66.6	66.6	67.0	67.2	67.2	67.4	67.4	67.8	68.1
IV 10000	54.7	64.3	65.3	66.3	66.9	67.0	67.2	67.6	67.6	67.9	68.2	68.2	68.3	68.4	68.7	69.1
IV 9000	55.1	64.9	65.9	66.8	67.4	67.5	67.8	68.1	68.1	68.4	68.7	68.7	68.8	68.9	69.3	69.6
IV 8000	56.1	65.7	66.8	67.7	68.3	68.4	68.7	69.0	69.0	69.3	69.6	69.6	69.7	69.8	70.2	70.5
IV 7000	56.7	66.5	67.5	68.5	69.1	69.2	69.4	69.7	69.7	70.1	70.4	70.4	70.5	70.5	70.9	71.2
IV 6000	57.3	67.1	68.2	69.2	69.7	69.9	70.1	70.4	70.4	70.8	71.0	71.0	71.2	71.2	71.6	71.9
IV 5000	58.3	68.3	69.3	70.3	70.9	71.0	71.2	71.6	71.6	71.9	72.2	72.2	72.3	72.4	72.7	73.1
IV 4500	58.7	68.7	69.7	70.8	71.3	71.5	71.7	72.0	72.0	72.4	72.6	72.6	72.8	72.8	73.2	73.5
IV 4000	59.4	69.5	70.5	71.5	72.1	72.3	72.5	72.8	72.8	73.2	73.4	73.4	73.6	73.6	74.0	74.3
IV 3500	60.4	70.7	71.7	72.7	73.3	73.5	73.7	74.0	74.0	74.4	74.7	74.7	74.8	74.8	75.2	75.5
IV 3000	62.2	72.8	73.9	74.9	75.5	75.6	75.9	76.2	76.2	76.5	76.8	76.8	76.9	77.0	77.4	77.7
IV 2500	64.6	75.9	76.9	78.1	78.7	78.8	79.1	79.4	79.4	79.7	80.0	80.0	80.1	80.2	80.6	80.9
IV 2000	66.7	79.0	80.2	81.4	82.1	82.2	82.5	82.8	82.8	83.1	83.4	83.4	83.6	83.6	84.0	84.3
IV 1800	67.3	79.7	81.0	82.2	82.9	83.1	83.3	83.7	83.7	84.0	84.3	84.3	84.4	84.5	84.9	85.2
IV 1500	69.1	82.4	83.8	85.2	85.8	86.0	86.4	86.8	86.8	87.1	87.4	87.4	87.5	87.6	88.0	88.3
IV 1200	70.5	84.7	86.3	87.8	88.5	88.7	89.2	89.5	89.5	89.9	90.2	90.2	90.3	90.3	90.8	91.1
IV 1000	71.4	86.5	88.4	90.0	90.9	91.1	91.7	92.0	92.0	92.4	92.7	92.7	92.8	92.9	93.3	93.6
IV 900	71.5	87.0	88.9	90.7	91.7	91.9	92.5	92.8	92.8	93.2	93.5	93.5	93.6	93.7	94.1	94.4
IV 800	71.8	88.0	90.0	91.9	92.0	92.2	93.8	94.3	94.3	94.6	95.0	95.0	95.1	95.1	95.5	95.9
IV 700	71.9	88.4	90.5	92.5	93.6	93.8	94.5	94.9	94.9	95.3	95.6	95.6	95.7	95.8	96.2	96.5
IV 600	72.0	88.8	91.0	93.0	94.2	94.4	95.1	95.5	95.5	96.0	96.3	96.3	96.4	96.5	96.9	97.2
IV 500	72.0	89.0	91.3	93.5	94.8	95.1	95.9	96.3	96.3	96.8	97.1	97.1	97.4	97.4	97.9	98.2
IV 400	72.0	89.1	91.3	93.7	95.1	95.4	96.2	96.7	96.7	97.2	97.6	97.6	97.8	97.9	98.3	98.6
IV 300	72.0	89.1	91.3	93.7	95.2	95.5	96.4	96.9	96.9	97.5	97.9	97.9	98.1	98.2	98.7	99.0
IV 200	72.0	89.1	91.3	93.7	95.2	95.5	96.4	96.9	96.9	97.5	97.9	97.9	98.2	98.3	98.8	99.3
IV 100	72.0	89.1	91.3	93.7	95.2	95.5	96.4	96.9	96.9	97.5	97.9	97.9	98.3	98.4	99.0	99.5
IV 0	72.0	89.1	91.3	93.7	95.2	95.5	96.4	96.9	96.9	97.5	97.9	97.9	98.3	98.4	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2876



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0400-1100  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	45.3	54.0	54.7	55.3	55.3	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥20000	53.4	64.8	65.8	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 18000	53.7	65.1	66.1	66.9	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 16000	54.4	66.0	67.0	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
IV 14000	55.1	66.8	67.8	68.6	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 12000	56.3	68.1	69.1	69.9	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 10000	57.3	69.2	70.2	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1
IV 9000	57.5	69.5	70.6	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.5
IV 8000	58.2	70.2	71.2	72.0	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 7000	58.6	70.7	71.7	72.5	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 6000	59.1	71.3	72.3	73.1	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 5000	60.0	72.2	73.2	74.0	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
IV 4500	60.3	72.5	73.5	74.3	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 4000	61.3	73.8	74.8	75.6	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 3500	62.7	75.2	76.3	77.0	77.0	77.0	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 3000	65.4	78.1	79.2	80.0	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IV 2500	69.4	82.7	83.8	84.7	84.7	84.7	84.8	84.8	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9
IV 2000	72.4	86.7	87.8	88.7	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 1800	73.1	87.6	88.7	89.6	89.6	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 1500	74.3	89.9	91.1	92.2	92.3	92.4	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 1200	75.7	92.3	93.7	94.9	95.1	95.1	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 1000	76.3	93.8	95.3	96.6	97.1	97.2	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 900	76.5	94.2	95.7	97.3	97.6	97.8	98.1	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 800	76.5	94.4	96.0	97.7	98.1	98.3	98.6	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
IV 700	76.5	94.5	96.1	97.9	98.3	98.5	98.9	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2
IV 600	76.5	94.5	96.1	98.1	98.5	98.7	99.0	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 500	76.6	94.6	96.2	98.2	98.6	98.8	99.2	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	76.6	94.6	96.2	98.2	98.6	98.9	99.3	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	76.6	94.6	96.2	98.2	98.6	98.9	99.3	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	76.6	94.6	96.2	98.2	98.6	98.9	99.3	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	76.6	94.6	96.2	98.2	98.6	98.9	99.3	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	76.6	94.6	96.2	98.2	98.6	98.9	99.3	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2840

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	49.4	57.0	57.3	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 20000	61.4	70.9	71.5	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 18000	61.8	71.2	71.9	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 16000	61.9	71.3	72.0	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
IV 14000	63.1	73.0	73.6	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
IV 12000	64.3	74.2	74.9	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
IV 10000	65.1	75.1	75.8	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 9000	65.5	75.5	76.2	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 8000	65.8	75.9	76.6	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 7000	66.4	76.5	77.2	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 6000	66.9	77.0	77.7	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
IV 5000	67.8	77.9	78.7	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
IV 4500	68.2	78.4	79.2	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 4000	69.8	80.1	80.9	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 3500	72.0	82.4	83.2	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 3000	75.1	85.7	86.6	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 2500	78.8	89.8	90.7	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IV 2000	81.4	93.1	94.2	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 1800	81.6	93.6	94.8	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 1500	82.6	95.2	96.5	97.2	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 1200	83.2	96.1	97.5	98.3	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 1000	83.3	96.6	98.1	99.0	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 900	83.3	96.7	98.1	99.1	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 800	83.3	96.7	98.2	99.1	99.3	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	83.3	96.7	98.2	99.1	99.3	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	83.3	96.7	98.2	99.1	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	83.3	96.7	98.2	99.1	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	83.3	96.7	98.2	99.1	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	83.3	96.7	98.2	99.1	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	83.3	96.7	98.2	99.1	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	83.3	96.7	98.2	99.1	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	83.3	96.7	98.2	99.1	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 2879

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

23211 HAMILTON AFB CALIF/SAN RAFAEL

1970

YEARS

APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	57.1	60.5	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 18000	70.9	75.5	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 16000	71.4	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 14000	71.8	76.5	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 12000	73.8	78.5	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV 10000	75.6	80.1	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 9000	76.3	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 8000	76.5	81.2	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 7000	77.2	82.1	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IV 6000	78.0	82.8	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 5000	78.4	83.4	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 4500	79.1	84.1	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 4000	79.7	84.8	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 3500	81.3	86.3	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 3000	82.2	87.4	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 2500	84.8	90.3	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
IV 2000	86.6	92.4	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 1800	88.9	95.2	95.7	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 1500	89.2	95.6	96.0	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 1200	90.0	96.2	96.5	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 1000	90.3	97.6	98.4	98.6	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 900	90.3	97.8	98.7	99.0	99.3	99.4	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6
IV 800	90.3	97.8	98.7	99.0	99.3	99.4	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6
IV 700	90.3	97.9	98.9	99.2	99.5	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	90.4	97.9	98.9	99.2	99.5	99.6	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0
IV 500	90.4	97.9	98.9	99.2	99.5	99.6	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0
IV 400	90.4	97.9	98.9	99.2	99.5	99.6	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0
IV 300	90.4	97.9	98.9	99.2	99.5	99.6	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0
IV 200	90.4	97.9	98.9	99.2	99.5	99.6	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0
IV 100	90.4	97.9	98.9	99.2	99.5	99.6	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0
IV 0	90.4	97.9	98.9	99.2	99.5	99.6	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2879

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION  
23211

STATION NAME  
HAMILTON AFB CALIF/SAN RAFAEL

YEARS  
39-70

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1400-2000  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥0
NO CEILING ≥ 20000	62.9	66.1	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 18000	73.7	77.6	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
IV 16000	74.1	78.0	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 14000	74.6	78.6	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IV 12000	76.8	80.8	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 10000	78.5	82.5	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 9000	79.9	84.0	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 8000	80.1	84.2	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 7000	81.0	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 6000	81.6	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 5000	82.1	86.4	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 4500	82.8	87.1	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
IV 4000	83.2	87.6	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 3500	84.0	88.4	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 3000	84.7	89.2	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 2500	85.9	90.9	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
IV 2000	87.1	92.4	93.0	93.0	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 1800	88.8	94.5	95.2	95.2	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 1500	89.3	95.0	95.8	95.8	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 1200	90.2	96.1	96.9	97.1	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 1000	90.6	96.7	97.7	98.1	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 900	90.9	97.3	98.2	98.6	98.9	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 800	91.0	97.5	98.5	98.9	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 700	91.1	97.3	98.6	99.0	99.3	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	91.1	97.6	98.6	99.1	99.4	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	91.1	97.6	98.6	99.1	99.4	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	91.1	97.6	98.6	99.1	99.4	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	91.1	97.6	98.6	99.1	99.4	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	91.1	97.6	98.6	99.1	99.4	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	91.1	97.6	98.6	99.1	99.4	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	91.1	97.6	98.6	99.1	99.4	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 2877

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23211 HAMILTON AFB CALIF/SAN RAFAEL 39-70

ABR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	68.5	71.5	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.1
≥ 20000	75.3	78.7	79.1	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.4
IV 18000	75.5	78.9	79.3	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.6
IV 16000	75.8	79.2	79.6	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.9
IV 14000	77.0	80.4	80.8	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.1
IV 12000	77.9	81.4	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.1
IV 10000	79.4	82.9	83.3	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.6
IV 9000	79.6	83.1	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8
IV 8000	80.1	83.7	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4
IV 7000	80.8	84.5	84.9	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.2
IV 6000	81.5	85.3	85.7	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	86.0
IV 5000	82.3	86.2	86.6	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9
IV 4500	83.1	87.0	87.4	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7
IV 4000	83.9	87.8	88.3	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.6
IV 3500	84.6	88.6	89.1	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.4	89.4	89.4	89.4	89.4	89.4
IV 3000	85.4	90.0	90.5	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.9
IV 2500	86.7	91.2	91.8	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.2
IV 2000	89.0	93.6	94.2	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7
IV 1800	89.4	94.2	94.8	95.1	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.4
IV 1500	90.6	95.3	95.9	96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6
IV 1200	91.3	96.4	97.2	97.6	97.8	97.9	97.9	97.9	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.1
IV 1000	91.7	97.0	97.8	98.2	98.4	98.5	98.5	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6
IV 900	91.8	97.1	97.9	98.4	98.8	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0
IV 800	91.9	97.3	98.1	98.5	99.0	99.0	99.0	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2
IV 700	91.9	97.5	98.4	98.8	99.2	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.5
IV 600	92.0	97.6	98.5	99.0	99.4	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.8
IV 500	92.0	97.7	98.7	99.1	99.6	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0
IV 400	92.0	97.7	98.7	99.1	99.6	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0
IV 300	92.0	97.7	98.7	99.1	99.6	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0
IV 200	92.0	97.7	98.7	99.1	99.6	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0
IV 100	92.0	97.7	98.7	99.1	99.6	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0
IV 0	92.0	97.7	98.7	99.1	99.6	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 2872

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

1970  
YEARS

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0700  
MOON (LTT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	65.2	69.4	69.9	70.0	70.3	70.3	70.3	70.3	70.3	70.4	70.4	70.4	70.5	70.6	70.7	70.7
IV 20000	69.8	74.4	74.9	75.1	75.3	75.3	75.3	75.4	75.4	75.4	75.5	75.5	75.6	75.6	75.8	75.8
IV 18000	70.0	74.6	75.2	75.3	75.5	75.5	75.5	75.6	75.6	75.6	75.7	75.7	75.8	75.8	76.0	76.0
IV 16000	70.1	74.7	75.2	75.3	75.6	75.6	75.6	75.6	75.7	75.7	75.7	75.7	75.8	75.9	76.0	76.0
IV 14000	70.9	75.5	76.0	76.1	76.4	76.4	76.4	76.4	76.5	76.5	76.5	76.5	76.6	76.6	76.8	76.8
IV 12000	71.8	76.4	76.9	77.0	77.3	77.3	77.3	77.3	77.3	77.4	77.4	77.4	77.5	77.5	77.7	77.7
IV 10000	72.5	77.2	77.7	77.8	78.1	78.1	78.1	78.1	78.1	78.2	78.2	78.2	78.3	78.4	78.5	78.5
IV 9000	72.8	77.4	78.0	78.1	78.3	78.3	78.3	78.4	78.4	78.4	78.5	78.5	78.6	78.6	78.8	78.8
IV 8000	73.4	78.0	78.5	78.6	78.9	78.9	78.9	79.0	79.0	79.0	79.1	79.1	79.2	79.2	79.4	79.4
IV 7000	73.8	78.4	79.0	79.1	79.3	79.3	79.3	79.4	79.4	79.4	79.5	79.5	79.6	79.6	79.8	79.8
IV 6000	74.1	78.8	79.4	79.5	79.7	79.7	79.7	79.8	79.8	79.8	79.9	79.9	80.0	80.0	80.2	80.2
IV 5000	74.5	79.2	79.8	79.9	80.1	80.1	80.1	80.2	80.2	80.2	80.3	80.3	80.4	80.4	80.6	80.6
IV 4500	74.7	79.4	80.0	80.1	80.3	80.3	80.3	80.4	80.4	80.4	80.5	80.5	80.6	80.6	80.8	80.8
IV 4000	75.0	79.8	80.3	80.5	80.7	80.7	80.7	80.8	80.8	80.8	80.9	80.9	81.0	81.0	81.2	81.2
IV 3500	75.9	80.8	81.3	81.4	81.7	81.7	81.7	81.7	81.8	81.8	81.8	81.8	81.9	82.0	82.1	82.1
IV 3000	76.8	81.7	82.2	82.4	82.6	82.6	82.6	82.7	82.7	82.8	82.8	82.8	82.9	83.0	83.1	83.1
IV 2500	78.3	83.2	83.8	83.9	84.2	84.2	84.2	84.2	84.3	84.3	84.3	84.3	84.4	84.5	84.6	84.6
IV 2000	80.2	85.4	86.7	86.1	86.4	86.4	86.4	86.4	86.4	86.5	86.5	86.5	86.6	86.7	86.8	86.8
IV 1800	80.9	86.2	86.8	87.0	87.2	87.2	87.2	87.3	87.3	87.3	87.4	87.4	87.5	87.5	87.7	87.7
IV 1500	83.1	88.6	89.2	89.4	89.6	89.6	89.6	89.7	89.7	89.7	89.8	89.8	89.9	89.9	90.1	90.1
IV 1200	85.9	91.8	92.5	92.7	93.0	93.0	93.0	93.0	93.0	93.1	93.1	93.1	93.2	93.3	93.4	93.4
IV 1000	88.0	94.3	95.1	95.3	95.6	95.6	95.6	95.6	95.7	95.7	95.7	95.7	95.8	95.9	96.1	96.1
IV 900	89.0	95.6	96.4	96.6	96.9	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.1	97.2	97.4	97.4
IV 800	89.6	96.7	97.5	97.7	98.0	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.2	98.3	98.5	98.5
IV 700	90.0	97.2	98.0	98.3	98.6	98.6	98.6	98.7	98.7	98.7	98.8	98.8	98.9	98.9	99.1	99.1
IV 600	90.1	97.3	98.3	98.5	98.9	98.9	98.9	99.0	99.0	99.0	99.1	99.1	99.2	99.2	99.4	99.4
IV 500	90.1	97.4	98.3	98.6	99.1	99.1	99.1	99.1	99.1	99.2	99.3	99.3	99.4	99.4	99.6	99.6
IV 400	90.1	97.5	98.4	98.7	99.2	99.2	99.2	99.3	99.3	99.4	99.4	99.5	99.5	99.6	99.7	99.8
IV 300	90.1	97.5	98.4	98.7	99.2	99.2	99.2	99.3	99.3	99.4	99.4	99.5	99.5	99.6	99.7	99.8
IV 200	90.1	97.5	98.4	98.7	99.2	99.2	99.2	99.3	99.3	99.4	99.4	99.5	99.5	99.6	99.7	99.9
IV 100	90.1	97.5	98.4	98.7	99.2	99.2	99.2	99.3	99.3	99.4	99.4	99.5	99.5	99.6	99.7	99.9
IV 0	90.1	97.5	98.4	98.7	99.2	99.2	99.2	99.3	99.3	99.4	99.4	99.5	99.5	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 2974

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

23211

HAMILTON AFB CALIF/SAN RAFAEL

39-70

YEARS

DAY

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

9100-0500

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING N 20000	53.1	59.1	59.7	59.9	60.4	60.4	60.5	60.6	60.7	60.9	60.9	61.0	61.1	61.2	61.5	61.7
IV 18000	57.2	63.5	64.1	64.4	65.0	65.1	65.2	65.3	65.3	65.6	65.6	65.7	65.8	65.8	66.1	66.4
IV 16000	57.4	63.7	64.3	64.6	65.1	65.2	65.3	65.5	65.5	65.8	65.8	65.8	66.0	66.0	66.3	66.5
IV 14000	57.6	63.8	64.4	64.7	65.3	65.4	65.5	65.6	65.6	65.9	65.9	66.0	66.1	66.1	66.4	66.7
IV 12000	58.4	64.8	65.4	65.7	66.2	66.3	66.4	66.5	66.6	66.9	66.9	66.9	67.1	67.1	67.4	67.6
IV 10000	59.1	65.5	66.1	66.4	66.9	67.0	67.1	67.2	67.3	67.6	67.6	67.6	67.8	67.8	68.1	68.3
IV 9000	60.0	66.5	67.1	67.4	67.9	68.0	68.1	68.3	68.3	68.6	68.7	68.7	68.8	68.9	69.2	69.4
IV 8000	60.3	66.8	67.4	67.7	68.2	68.3	68.4	68.6	68.6	68.9	69.0	69.0	69.1	69.2	69.5	69.7
IV 7000	60.9	67.4	68.0	68.3	68.9	69.0	69.1	69.2	69.2	69.5	69.6	69.6	69.7	69.8	70.1	70.3
IV 6000	61.0	67.6	68.2	68.5	69.1	69.2	69.3	69.4	69.4	69.7	69.8	69.8	69.9	70.0	70.3	70.5
IV 5000	61.3	67.9	68.6	68.8	69.4	69.5	69.6	69.7	69.7	70.0	70.1	70.1	70.2	70.3	70.6	70.8
IV 4500	61.8	68.6	69.2	69.4	70.0	70.1	70.2	70.3	70.3	70.6	70.7	70.7	70.8	70.9	71.2	71.4
IV 4000	61.9	68.7	69.3	69.6	70.1	70.2	70.3	70.4	70.5	70.8	70.8	70.8	71.0	71.0	71.3	71.5
IV 3500	62.7	69.5	70.1	70.4	70.9	71.0	71.1	71.2	71.3	71.6	71.6	71.6	71.8	71.8	72.1	72.4
IV 3000	63.4	70.3	70.9	71.1	71.7	71.8	71.9	72.0	72.4	72.4	72.4	72.4	72.6	72.6	72.9	73.1
IV 2500	64.7	71.6	72.3	72.5	73.1	73.2	73.3	73.4	73.4	73.7	73.8	73.8	73.9	74.0	74.3	74.5
IV 2000	66.3	73.4	74.0	74.3	74.8	74.9	75.0	75.1	75.2	75.5	75.5	75.5	75.7	75.7	76.0	76.3
IV 1800	69.4	76.8	77.4	77.7	78.3	78.4	78.5	78.6	78.7	79.0	79.0	79.0	79.2	79.2	79.5	79.8
IV 1500	70.2	77.7	78.3	78.6	79.2	79.3	79.4	79.5	79.6	79.9	79.9	80.0	80.1	80.1	80.4	80.7
IV 1200	73.2	81.0	81.7	82.0	82.6	82.7	82.8	83.0	83.0	83.3	83.4	83.4	83.5	83.6	83.9	84.1
IV 1000	77.0	85.7	86.6	87.0	87.6	87.7	87.9	88.0	88.0	88.3	88.4	88.4	88.5	88.6	88.9	89.1
IV 900	79.4	88.9	89.8	90.3	91.1	91.2	91.3	91.4	91.5	91.8	91.8	91.8	92.0	92.0	92.3	92.6
IV 800	80.7	90.3	91.3	91.8	92.5	92.6	92.8	92.9	93.2	93.3	93.3	93.3	93.5	93.5	93.8	94.1
IV 700	81.4	91.6	92.7	93.3	94.2	94.3	94.5	94.6	94.7	95.0	95.0	95.1	95.2	95.3	95.6	95.9
IV 600	81.6	92.0	93.1	93.9	94.8	95.0	95.2	95.4	95.4	95.7	95.8	95.8	96.0	96.0	96.3	96.6
IV 500	82.2	93.1	94.2	95.0	96.0	96.2	96.4	96.6	96.6	97.0	97.1	97.1	97.3	97.3	97.6	97.9
IV 400	82.3	93.3	94.5	95.7	96.4	96.5	96.8	97.0	97.1	97.5	97.6	97.7	97.9	97.9	98.3	98.6
IV 300	82.4	93.4	94.6	95.5	96.8	97.0	97.3	97.7	97.7	98.2	98.4	98.4	98.6	98.7	99.1	99.3
IV 200	82.4	93.5	94.7	95.6	96.8	97.0	97.4	97.8	97.8	98.3	98.5	98.5	98.8	98.9	99.3	99.6
IV 100	82.4	93.5	94.7	95.6	96.8	97.0	97.4	97.8	97.8	98.3	98.5	98.6	98.8	98.9	99.4	99.7
IV 0	82.4	93.5	94.7	95.6	96.8	97.0	97.4	97.8	97.8	98.3	98.5	98.6	98.8	99.0	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 2973

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/NAC

## CEILING VERSUS VISIBILITY

STATION 23211 HAMILTON AFB CALIF/SAN RAFAEL YEARS 39-70 MONTH MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0450-0800

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	43.5	53.7	54.2	54.9	55.0	55.0	55.0	55.0	55.1	55.2	55.3	55.3	55.3	55.3	55.5	55.6
≥20000	48.1	59.9	60.4	61.0	61.2	61.2	61.2	61.3	61.3	61.4	61.5	61.5	61.6	61.6	61.7	61.9
IV 18000	48.3	60.1	60.6	61.3	61.4	61.4	61.4	61.5	61.5	61.7	61.7	61.8	61.8	61.8	62.0	62.1
IV 16000	48.5	60.3	60.8	61.5	61.6	61.6	61.7	61.7	61.8	61.9	62.0	62.0	62.0	62.0	62.2	62.4
IV 14000	49.3	61.1	61.6	62.3	62.5	62.5	62.5	62.6	62.6	62.7	62.8	62.8	62.9	62.9	63.0	63.2
IV 12000	50.3	62.1	62.6	63.3	63.5	63.5	63.5	63.6	63.6	63.8	63.8	63.9	63.9	63.9	64.1	64.2
IV 10000	51.3	63.2	63.8	64.5	64.6	64.6	64.7	64.7	64.8	64.9	65.0	65.0	65.0	65.0	65.2	65.4
IV 9000	51.6	63.5	64.1	64.8	64.9	64.9	65.0	65.0	65.1	65.2	65.3	65.3	65.3	65.3	65.5	65.7
IV 8000	52.3	64.3	64.8	65.5	65.7	65.7	65.7	65.8	65.8	65.9	66.0	66.0	66.1	66.1	66.2	66.4
IV 7000	52.5	64.5	65.0	65.8	65.9	65.9	65.9	66.0	66.0	66.2	66.2	66.2	66.3	66.3	66.5	66.6
IV 6000	52.9	65.0	65.5	66.3	66.4	66.4	66.4	66.5	66.5	66.7	66.7	66.7	66.8	66.8	67.0	67.1
IV 5000	53.2	65.4	65.9	66.7	66.8	66.8	66.9	66.9	67.0	67.1	67.2	67.2	67.2	67.2	67.4	67.6
IV 4500	53.3	65.5	66.1	66.8	67.0	67.0	67.0	67.1	67.1	67.3	67.4	67.4	67.4	67.4	67.6	67.8
IV 4000	53.8	66.1	66.7	67.5	67.6	67.6	67.7	67.7	67.8	67.9	68.0	68.0	68.0	68.0	68.2	68.4
IV 3500	54.3	66.7	67.2	68.0	68.2	68.2	68.2	68.3	68.3	68.5	68.5	68.6	68.6	68.6	68.8	68.9
IV 3000	56.2	68.8	69.3	70.1	70.3	70.3	70.4	70.4	70.4	70.6	70.6	70.7	70.7	70.7	70.9	71.0
IV 2500	58.1	71.0	71.5	72.4	72.6	72.6	72.7	72.7	72.8	72.9	73.0	73.0	73.0	73.0	73.2	73.4
IV 2000	61.6	74.7	75.4	76.4	76.6	76.6	76.7	76.7	76.7	76.9	76.9	77.0	77.0	77.0	77.2	77.3
IV 1800	63.0	76.3	76.9	77.9	78.1	78.1	78.2	78.2	78.3	78.4	78.5	78.5	78.5	78.5	78.7	78.9
IV 1500	66.6	80.9	81.6	82.7	83.0	83.0	83.1	83.1	83.2	83.3	83.4	83.4	83.4	83.4	83.6	83.8
IV 1200	70.2	85.8	86.6	87.8	88.1	88.2	88.2	88.3	88.3	88.5	88.5	88.6	88.6	88.6	88.8	88.9
IV 1000	72.2	88.9	89.7	91.0	91.4	91.5	91.6	91.7	91.7	91.9	91.9	92.0	92.0	92.0	92.2	92.4
IV 900	72.9	90.1	91.0	92.3	92.8	92.8	92.9	93.0	93.1	93.2	93.3	93.3	93.4	93.4	93.5	93.7
IV 800	73.5	91.5	92.6	94.3	94.9	95.0	95.1	95.2	95.2	95.4	95.5	95.5	95.6	95.6	95.7	95.9
IV 700	73.6	92.1	93.4	95.2	95.9	95.9	96.0	96.2	96.2	96.4	96.5	96.5	96.6	96.6	96.7	96.9
IV 600	73.7	92.6	93.9	95.8	96.6	96.6	96.7	96.9	97.0	97.2	97.3	97.3	97.4	97.4	97.6	97.7
IV 500	73.7	92.8	94.3	96.3	97.2	97.3	97.4	97.6	97.7	98.1	98.2	98.3	98.4	98.4	98.5	98.7
IV 400	73.7	92.9	94.3	96.5	97.4	97.5	97.6	97.8	97.9	98.4	98.5	98.5	98.6	98.6	98.8	99.0
IV 300	73.7	92.9	94.4	96.5	97.5	97.6	97.6	97.8	98.2	98.3	98.3	98.3	98.9	98.9	99.1	99.5
IV 200	73.7	92.9	94.4	96.5	97.5	97.6	97.6	97.9	98.3	98.4	98.4	98.4	99.1	99.1	99.3	99.8
IV 100	73.7	92.9	94.4	96.5	97.6	97.6	97.9	98.3	98.4	99.0	99.1	99.2	99.4	99.4	99.7	99.9
IV 0	73.7	92.9	94.4	96.5	97.6	97.6	97.9	98.3	98.4	99.0	99.1	99.2	99.4	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 2974

USAF ETAC FORM 7-64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

23211 HAMILTON AFB CALIF/SAN RAFAEL 39-70

NAV  
JAN 71

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
LOCAL TIME

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	48.0	60.1	60.8	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
IV 18000	54.7	68.0	68.9	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 16000	54.9	68.3	69.3	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
IV 14000	55.1	68.6	69.6	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
IV 12000	56.3	69.9	70.6	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 10000	57.2	70.3	71.7	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 9000	58.1	71.6	72.7	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 8000	58.2	71.9	72.9	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IV 7000	58.5	72.3	73.2	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 6000	58.8	72.6	73.5	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 5000	59.0	72.9	73.8	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
IV 4500	59.3	73.3	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 4000	59.6	73.6	74.6	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 3500	60.3	74.4	75.3	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IV 3000	61.6	75.7	76.7	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 2500	63.9	78.2	79.1	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 2000	68.4	82.9	83.9	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 1800	73.3	88.3	89.4	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 1500	74.5	89.7	90.8	91.1	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IV 1200	77.2	93.0	94.0	94.4	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 1000	79.5	96.2	97.3	97.7	97.8	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 900	80.2	97.2	98.4	98.8	99.0	99.0	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 800	80.3	97.5	98.7	99.1	99.3	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 700	80.3	97.7	98.8	99.3	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	80.3	97.7	98.9	99.4	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	80.3	97.7	98.9	99.4	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	80.3	97.7	98.9	99.5	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	80.3	97.7	98.9	99.5	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	80.3	97.7	98.9	99.5	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	80.3	97.7	98.9	99.5	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	80.3	97.7	98.9	99.5	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2973

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

PAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
TIME PERIOD

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	55.1	67.9	66.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥20000	68.9	79.3	79.6	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
IV 18000	69.1	79.5	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 16000	69.4	79.9	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 14000	70.2	80.7	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 12000	70.8	81.4	81.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 10000	71.9	82.4	82.8	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 9000	71.9	82.5	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
IV 8000	72.1	82.8	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 7000	72.3	83.0	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
IV 6000	72.5	83.1	83.5	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 5000	73.1	83.8	84.2	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IV 4500	73.6	84.3	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
IV 4000	74.7	85.4	85.8	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 3500	76.1	86.9	87.3	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
IV 3000	78.5	89.2	89.7	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
IV 2500	61.8	92.9	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 2000	85.0	96.4	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 1800	85.5	97.0	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 1500	86.7	98.3	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1200	87.0	98.6	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1000	87.0	98.8	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 900	87.0	98.8	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 800	87.0	98.9	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 700	87.0	98.9	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	87.0	98.9	99.4	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	87.0	98.9	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	87.0	98.9	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	87.0	98.9	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	87.0	98.9	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	87.0	98.9	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	87.0	98.9	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 2974

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION 23211 HAMILTON AFB CALIF/SAN RAFAEL

YEARS 39-70

MONTH MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	67.6	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 20000	79.0	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 18000	79.6	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 16000	80.1	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 14000	81.2	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 12000	82.3	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 10000	83.5	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 9000	83.7	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 8000	84.0	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 7000	84.2	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 6000	84.5	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 5000	84.7	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 4500	85.2	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 4000	85.9	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 3500	86.8	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 3000	88.5	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 2500	90.1	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 2000	92.2	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1800	92.7	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1500	93.4	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1200	93.9	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1000	94.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900	94.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	94.0	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	94.0	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	94.0	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	94.0	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	94.0	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	94.0	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	94.0	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	94.0	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	94.0	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 2973



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23211

HAMILTON AFB CALIF/SAN RAFAEL

39-70

YEARS

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	69.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 18000	79.9	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IV 16000	80.2	84.4	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 14000	81.5	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 12000	82.9	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
IV 10000	83.8	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 9000	84.2	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 8000	84.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 7000	84.8	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
IV 6000	85.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 5000	85.4	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 4500	85.7	90.4	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 4000	85.9	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 3500	86.5	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 3000	87.5	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 2500	88.7	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 2000	90.8	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 1800	91.1	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 1500	92.1	97.6	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 1200	93.0	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1000	93.3	99.3	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 900	93.3	99.3	99.5	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 800	93.4	99.4	99.6	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 700	93.4	99.5	99.6	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	93.4	99.5	99.6	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	93.4	99.5	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	93.4	99.5	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	93.4	99.5	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	93.4	99.5	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	93.4	99.5	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	93.4	99.5	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2975



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION 23711 HAMILTON AFB CALIF/SAN RAFAEL YEARS 39-70 MONTH MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	71.5	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 18000	77.0	81.9	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
IV 16000	77.4	82.3	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 14000	78.0	82.8	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
IV 12000	78.8	83.6	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 10000	79.9	84.9	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 9000	80.1	85.1	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IV 8000	80.7	85.7	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 7000	81.2	86.2	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IV 6000	81.4	86.5	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 5000	81.8	86.9	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 4500	82.0	87.1	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 4000	82.8	87.9	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 3500	83.4	88.5	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 3000	84.2	89.4	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 2500	85.4	90.5	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
IV 2000	87.6	92.8	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 1800	87.9	93.2	93.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 1500	89.3	94.8	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 1200	91.5	97.3	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 1000	92.5	98.5	98.9	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 900	92.7	98.9	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 800	93.0	99.3	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 700	93.0	99.3	99.7	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	93.0	99.3	99.7	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	93.0	99.3	99.7	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	93.0	99.3	99.7	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	93.0	99.3	99.7	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	93.0	99.3	99.7	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	93.0	99.3	99.7	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	93.0	99.3	99.7	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2970

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

23211 HAMILTON AFB CALIF/SAN RAFAEL

39-40,42-70

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	70.0	72.9	72.9	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 20000	74.3	77.3	77.3	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
IV 18000	74.4	77.4	77.4	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
IV 16000	74.5	77.5	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 14000	75.2	78.2	78.2	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 12000	75.9	79.0	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
IV 10000	76.8	79.9	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 9000	77.1	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 8000	77.5	80.5	80.5	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 7000	77.7	80.8	80.8	80.9	80.9	80.9	80.9	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 6000	77.8	80.9	80.9	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 5000	77.9	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 4500	78.1	81.3	81.3	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
IV 4000	78.4	81.6	81.6	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
IV 3500	78.7	81.9	81.9	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
IV 3000	78.8	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 2500	79.4	82.7	82.7	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 2000	80.9	84.4	84.4	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 1800	81.7	85.2	85.2	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IV 1500	84.8	88.3	88.3	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
IV 1200	87.6	91.3	91.4	91.5	91.6	91.6	91.6	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 1000	90.7	94.9	94.9	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 900	92.0	96.3	96.3	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 800	93.3	97.8	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 700	93.9	98.7	98.7	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 600	94.4	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 500	94.4	99.5	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	94.5	99.5	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	94.5	99.6	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	94.5	99.6	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	94.5	99.6	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	94.5	99.6	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2786

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

STATION 23211 HAMILTON AFB CALIF/SAN RAFAEL 39-40-42-70 YEARS JUN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0100-0500

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING ≥ 20000	57.1	62.9	63.5	63.6	63.7	63.7	63.8	63.8	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.2
IV 18000	60.7	66.9	67.5	67.6	67.8	67.8	67.8	67.8	67.9	68.1	68.1	68.1	68.1	68.1	68.1	68.3
IV 16000	60.9	67.1	67.6	67.8	67.9	67.9	68.0	68.0	68.1	68.3	68.3	68.3	68.3	68.3	68.3	68.4
IV 14000	61.2	67.5	68.0	68.2	68.3	68.3	68.4	68.4	68.5	68.7	68.7	68.7	68.7	68.7	68.7	68.8
IV 12000	62.0	68.3	68.8	69.0	69.1	69.1	69.2	69.2	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.6
IV 10000	62.8	69.2	69.7	69.9	70.0	70.0	70.1	70.1	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.5
IV 9000	62.9	69.2	69.8	69.9	70.1	70.1	70.1	70.2	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.6
IV 8000	63.1	69.4	69.9	70.1	70.2	70.2	70.3	70.3	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.7
IV 7000	63.5	69.8	70.4	70.5	70.7	70.7	70.7	70.8	70.8	71.0	71.0	71.0	71.0	71.0	71.0	71.2
IV 6000	63.7	70.0	70.6	70.7	70.8	70.8	70.9	70.9	71.0	71.2	71.2	71.2	71.2	71.2	71.2	71.3
IV 5000	63.8	70.1	70.7	70.8	71.0	71.0	71.0	71.0	71.1	71.3	71.3	71.3	71.3	71.3	71.3	71.5
IV 4500	63.8	70.1	70.7	70.8	71.0	71.0	71.0	71.1	71.1	71.3	71.3	71.3	71.3	71.3	71.3	71.5
IV 4000	64.1	70.4	71.0	71.1	71.3	71.3	71.3	71.3	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.8
IV 3500	64.5	70.9	71.5	71.6	71.8	71.8	71.8	71.8	71.9	72.1	72.1	72.1	72.1	72.1	72.1	72.3
IV 3000	65.0	71.5	72.1	72.3	72.4	72.4	72.5	72.5	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.9
IV 2500	66.0	72.5	73.1	73.3	73.4	73.4	73.5	73.5	73.6	73.8	73.8	73.8	73.8	73.8	73.8	73.9
IV 2000	67.8	74.4	75.0	75.2	75.3	75.3	75.3	75.4	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.8
IV 1800	69.1	75.9	76.5	76.6	76.8	76.8	76.8	76.8	76.9	77.1	77.1	77.1	77.1	77.1	77.1	77.3
IV 1500	72.7	79.8	80.5	80.6	80.8	80.8	80.8	80.8	80.9	81.1	81.1	81.1	81.1	81.1	81.1	81.3
IV 1200	77.6	85.0	85.7	85.9	86.0	86.0	86.0	86.1	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.5
IV 1000	81.5	89.4	90.2	90.3	90.5	90.5	90.5	90.6	90.6	90.8	90.8	90.8	90.8	90.8	90.8	91.1
IV 900	82.9	91.4	92.1	92.4	92.5	92.5	92.6	92.6	92.7	92.9	92.9	92.9	92.9	92.9	92.9	93.1
IV 800	84.8	94.0	94.8	95.0	95.2	95.2	95.3	95.3	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.8
IV 700	85.9	95.7	96.5	96.7	96.9	96.9	97.0	97.0	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.5
IV 600	86.5	96.9	97.7	98.0	98.2	98.2	98.3	98.3	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.9
IV 500	86.8	97.4	98.2	98.5	98.7	98.7	98.8	98.8	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.4
IV 400	86.8	97.6	98.4	98.7	98.9	98.9	99.0	99.0	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.6
IV 300	86.9	97.6	98.4	98.7	99.0	99.0	99.1	99.1	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.8
IV 200	86.9	97.6	98.4	98.7	99.0	99.0	99.1	99.1	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.9
IV 100	86.9	97.6	98.4	98.7	99.0	99.0	99.1	99.1	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.9
IV 0	86.9	97.6	98.4	98.7	99.0	99.0	99.1	99.1	99.2	99.5	99.5	99.5	99.5	99.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 2785

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23211 HAMILTON AFB CALIF/SAN RAFAEL

39-40.42-70

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥0
NO CEILING	48.6	59.7	59.9	60.0	60.0	60.0	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 20000	52.4	64.6	64.8	65.0	65.0	65.0	65.0	65.1	65.1	65.1	65.1	65.1	65.2	65.2	65.2
IV 18000	52.6	64.8	65.0	65.2	65.2	65.2	65.2	65.3	65.3	65.3	65.4	65.4	65.4	65.4	65.4
IV 16000	52.8	65.0	65.2	65.4	65.4	65.4	65.5	65.5	65.5	65.6	65.6	65.6	65.6	65.6	65.6
IV 14000	53.2	65.5	65.7	65.9	65.9	65.9	66.0	66.0	66.0	66.1	66.1	66.1	66.1	66.1	66.1
IV 12000	53.7	66.1	66.3	66.5	66.5	66.5	66.5	66.6	66.6	66.6	66.6	66.6	66.7	66.7	66.7
IV 10000	54.3	67.0	67.2	67.3	67.4	67.4	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
IV 9000	54.4	67.1	67.3	67.4	67.5	67.5	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 8000	54.8	67.5	67.7	67.8	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 7000	54.9	67.7	67.9	68.0	68.1	68.1	68.1	68.2	68.2	68.2	68.2	68.2	68.3	68.3	68.3
IV 6000	55.3	68.1	68.3	68.4	68.5	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.7	68.7	68.7
IV 5000	55.7	68.4	68.7	68.8	68.8	68.8	68.9	68.9	68.9	69.0	69.0	69.0	69.0	69.0	69.0
IV 4500	55.7	68.5	68.7	68.8	68.9	68.9	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
IV 4000	56.4	69.2	69.4	69.6	69.6	69.6	69.7	69.7	69.7	69.8	69.8	69.8	69.8	69.8	69.8
IV 3500	56.6	69.4	69.7	69.8	69.9	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.1	70.1	70.1
IV 3000	57.4	70.4	70.7	70.9	70.9	70.9	70.9	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1
IV 2500	58.7	72.0	72.3	72.5	72.5	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.7	72.7	72.7
IV 2000	61.4	74.9	75.2	75.4	75.4	75.4	75.4	75.5	75.5	75.5	75.5	75.5	75.6	75.6	75.6
IV 1800	63.1	76.8	77.0	77.2	77.3	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 1500	67.4	81.6	81.9	82.1	82.2	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.4	82.4	82.4
IV 1200	72.6	87.8	88.1	88.3	88.4	88.4	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
IV 1000	75.3	91.4	91.8	92.2	92.3	92.3	92.4	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5
IV 900	76.2	93.3	93.7	94.1	94.2	94.2	94.3	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4
IV 800	77.2	95.3	95.7	96.2	96.3	96.3	96.3	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5
IV 700	77.5	96.5	97.1	97.5	97.7	97.7	97.7	97.8	97.9	97.9	97.9	97.9	98.0	98.0	98.0
IV 600	77.8	97.4	98.1	98.6	98.8	98.8	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 500	77.8	97.6	98.4	98.9	99.1	99.1	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4
IV 400	77.8	97.7	98.5	99.1	99.4	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6
IV 300	77.8	97.8	98.6	99.1	99.5	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8
IV 200	77.8	97.8	98.6	99.1	99.5	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9
IV 100	77.8	97.8	98.6	99.1	99.5	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9
IV 0	77.8	97.8	98.6	99.1	99.5	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 2788

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

22211

HAMILTON AFB CALIF/SAN RAFAEL

39-40,42-70

YEARS

JUN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0500-1100

1000-1100

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	57.6	72.7	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 20000	61.7	78.2	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IV 18000	62.0	78.5	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
IV 16000	62.1	78.7	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 14000	62.6	79.2	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
IV 12000	63.0	79.7	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 10000	63.4	80.3	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
IV 9000	63.4	80.3	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 8000	63.6	80.6	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 7000	63.7	80.7	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 6000	63.9	81.0	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 5000	64.1	81.1	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
IV 4500	64.3	81.4	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 4000	64.9	82.0	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 3500	65.5	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 3000	66.9	84.1	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 2500	69.8	87.2	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 2000	73.7	91.0	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 1800	75.3	92.7	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 1500	77.9	95.7	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 1200	80.0	98.3	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 1000	80.4	98.9	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 900	80.5	99.1	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 800	80.6	99.1	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 700	80.6	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	80.6	99.2	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	80.6	99.2	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	80.6	99.2	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	80.6	99.2	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	80.6	99.2	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	80.6	99.2	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	80.6	99.2	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

2787

USAF ETAC

FORM  
JUL 64

0-14-5 (OL 1)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-40-42-70  
YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	72.1	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 20000	78.6	88.3	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
IV 18000	78.6	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 16000	79.1	89.0	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 14000	79.5	89.5	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 12000	80.0	90.0	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 10000	80.6	90.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 9000	80.6	90.8	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 8000	80.7	90.9	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IV 7000	80.8	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 6000	80.8	91.1	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 5000	81.0	91.3	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 4500	81.2	91.5	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 4000	81.7	92.0	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 3500	82.5	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 3000	84.1	94.3	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 2500	86.3	96.8	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 2000	87.8	98.3	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 1800	88.1	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 1500	88.5	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1200	88.8	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1000	88.8	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 900	88.8	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 800	88.8	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	88.8	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	88.8	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	88.8	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	88.8	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	88.8	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	88.8	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	88.8	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	88.8	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 2789



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

23211 HAMILTON AFB CALIF/SAN RAFAEL 39-40,42-70

11/11  
1500-1700

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	79.2	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 20000	67.7	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 18000	88.0	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 16000	88.4	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 14000	88.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 12000	89.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 10000	89.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 9000	89.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 8000	90.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 7000	90.1	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 6000	90.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 5000	90.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 4500	90.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 4000	90.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 3500	91.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 3000	92.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 2500	93.4	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 2000	94.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1800	94.5	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1500	94.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1200	94.9	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1000	95.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 900	95.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 800	95.0	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	95.0	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	95.0	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	95.0	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	95.0	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	95.0	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	95.0	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	95.0	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	95.0	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2745

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23211

HAMILTON AFB CALIF/SAN RAFAEL

39-40,42-70

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1400-2400

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	79.6	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 20000	86.7	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 18000	86.8	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 16000	86.9	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
IV 14000	87.8	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 12000	88.8	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 10000	89.3	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 9000	89.5	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 8000	89.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 7000	90.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 6000	90.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 5000	90.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 4500	90.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 4000	90.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 3500	90.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 3000	91.2	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 2500	91.8	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 2000	93.0	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 1800	93.3	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1500	94.2	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1200	94.7	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1000	94.7	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 900	94.8	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 800	94.8	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 700	94.8	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	94.9	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	94.9	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	94.9	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	94.9	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	94.9	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	94.9	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	94.9	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 2787

USAF ETAC FORM 7-64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-40-42-70  
YEARS

111  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
TIME

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	80.5	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 18000	84.8	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 16000	84.8	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 14000	85.3	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 12000	85.9	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 10000	86.3	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 9000	86.6	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
IV 8000	86.7	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 7000	87.0	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IV 6000	87.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 5000	87.5	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 4500	87.6	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
IV 4000	87.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 3500	87.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 3000	88.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 2500	88.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 2000	90.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 1800	90.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 1500	92.9	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 1200	94.0	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 1000	94.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 900	94.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 800	95.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 700	95.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	95.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	95.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	95.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	95.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	95.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	95.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0	95.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 2789

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

23211

HAMILTON AFB CALIF/SAN RAFAEL

19-70

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	73.0	78.1	78.3	78.5	78.5	78.5	78.5	78.5	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 20000	75.7	81.3	81.5	81.6	81.7	81.7	81.7	81.7	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8
IV 18000	75.8	81.3	81.5	81.7	81.7	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
IV 16000	75.8	81.3	81.5	81.7	81.7	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
IV 14000	76.6	82.2	82.4	82.5	82.6	82.6	82.6	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 12000	76.9	82.5	82.7	82.9	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 10000	77.3	82.9	83.1	83.2	83.3	83.3	83.3	83.3	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 9000	77.3	82.9	83.1	83.3	83.3	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 8000	77.6	83.2	83.4	83.5	83.6	83.6	83.6	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 7000	77.6	83.2	83.4	83.6	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 6000	77.6	83.2	83.4	83.6	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 5000	77.6	83.2	83.4	83.6	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 4500	77.6	83.2	83.4	83.6	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 4000	77.7	83.3	83.5	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 3500	77.7	83.3	83.5	83.6	83.7	83.7	83.7	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 3000	77.8	83.4	83.6	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 2500	78.0	83.6	83.8	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 2000	78.4	84.0	84.2	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IV 1800	78.7	84.3	84.5	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 1500	79.9	85.5	85.7	85.9	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 1200	82.8	88.5	88.7	88.9	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 1000	86.3	92.2	92.4	92.6	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 900	88.4	94.6	94.8	95.0	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 800	90.7	97.1	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 700	91.9	98.6	98.8	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 600	92.1	99.0	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 500	92.2	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	92.2	99.3	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	92.2	99.3	99.6	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	92.2	99.3	99.6	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	92.2	99.3	99.6	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	92.2	99.3	99.6	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2975

USAF ETAC FORM JUL 64 0-14-3 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

23211 HAMILTON AFB CALIF/SAN RAFAEL

39-70

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	50.1	57.9	58.5	58.8	59.3	59.3	59.4	59.4	59.4	59.6	59.7	59.7	60.0	60.0	60.1	60.2
IV 18000	51.7	60.1	60.7	61.1	61.6	61.6	61.7	61.7	61.7	61.9	61.9	61.9	62.3	62.3	62.4	62.5
IV 16000	52.0	60.3	61.0	61.3	61.8	61.8	61.9	61.9	62.0	62.1	62.2	62.2	62.6	62.6	62.7	62.8
IV 14000	52.8	61.3	61.9	62.3	62.8	62.8	62.9	62.9	62.9	63.1	63.2	63.2	63.5	63.5	63.6	63.7
IV 12000	53.6	62.1	62.8	63.1	63.6	63.6	63.7	63.7	63.7	63.9	64.0	64.0	64.3	64.3	64.4	64.5
IV 10000	53.9	62.4	63.1	63.4	63.9	63.9	64.0	64.0	64.0	64.2	64.3	64.3	64.6	64.6	64.7	64.8
IV 9000	53.9	62.4	63.1	63.4	63.9	63.9	64.0	64.0	64.1	64.2	64.3	64.3	64.6	64.6	64.8	64.8
IV 8000	54.1	62.7	63.3	63.7	64.2	64.2	64.2	64.3	64.3	64.5	64.5	64.5	64.9	64.9	65.0	65.1
IV 7000	54.1	62.7	63.4	63.7	64.2	64.2	64.3	64.3	64.3	64.5	64.6	64.6	64.9	64.9	65.0	65.1
IV 6000	54.2	62.7	63.4	63.7	64.2	64.2	64.3	64.3	64.4	64.5	64.6	64.6	64.9	64.9	65.1	65.1
IV 5000	54.2	62.7	63.4	63.7	64.2	64.2	64.3	64.3	64.4	64.5	64.6	64.6	64.9	64.9	65.1	65.1
IV 4500	54.2	62.7	63.4	63.7	64.2	64.2	64.3	64.3	64.4	64.5	64.6	64.6	64.9	64.9	65.1	65.1
IV 4000	54.2	62.7	63.4	63.7	64.2	64.2	64.3	64.3	64.4	64.5	64.6	64.6	64.9	64.9	65.1	65.1
IV 3500	54.3	62.8	63.5	63.8	64.3	64.3	64.4	64.4	64.5	64.6	64.7	64.7	65.0	65.0	65.2	65.2
IV 3000	54.4	63.0	63.6	64.0	64.5	64.5	64.5	64.6	64.6	64.8	64.8	64.8	65.2	65.2	65.3	65.4
IV 2500	54.5	63.2	63.8	64.2	64.7	64.7	64.7	64.8	64.8	65.0	65.0	65.0	65.4	65.4	65.5	65.6
IV 2000	55.0	63.7	64.3	64.7	65.2	65.2	65.2	65.3	65.3	65.5	65.5	65.5	65.9	65.9	66.0	66.1
IV 1800	55.3	64.0	64.6	65.0	65.5	65.5	65.5	65.6	65.6	65.8	65.8	65.8	66.2	66.2	66.3	66.4
IV 1500	57.1	65.7	66.4	66.8	67.3	67.3	67.3	67.4	67.4	67.6	67.6	67.6	68.0	68.0	68.1	68.2
IV 1200	61.3	70.2	70.9	71.3	71.8	71.8	71.8	71.9	71.9	72.1	72.1	72.1	72.5	72.5	72.6	72.7
IV 1000	67.1	76.7	77.6	78.0	78.5	78.5	78.6	78.6	78.7	78.8	78.9	78.9	79.3	79.3	79.4	79.5
IV 900	70.0	80.2	81.1	81.5	82.1	82.1	82.2	82.2	82.3	82.4	82.5	82.5	82.9	82.9	83.0	83.1
IV 800	74.2	85.5	86.5	86.9	87.4	87.4	87.7	87.7	87.8	88.0	88.1	88.1	88.4	88.4	88.6	88.7
IV 700	77.6	90.6	91.8	92.5	93.2	93.2	93.3	93.3	93.4	93.6	93.7	93.7	94.0	94.0	94.2	94.3
IV 600	79.1	93.1	94.4	95.1	95.9	95.9	96.0	96.0	96.1	96.3	96.4	96.4	96.8	96.8	96.9	97.0
IV 500	79.6	94.1	95.6	96.5	97.3	97.3	97.4	97.5	97.6	97.8	97.9	97.9	98.3	98.3	98.5	98.6
IV 400	79.7	94.4	96.0	97.0	97.9	97.9	98.0	98.1	98.2	98.5	98.6	98.6	99.0	99.0	99.2	99.3
IV 300	79.7	94.4	96.0	97.1	98.1	98.2	98.3	98.4	98.5	98.8	98.9	98.9	99.3	99.3	99.5	99.6
IV 200	79.7	94.4	96.0	97.1	98.1	98.2	98.3	98.4	98.5	98.8	98.9	98.9	99.3	99.3	99.6	99.7
IV 100	79.7	94.4	96.0	97.1	98.1	98.2	98.3	98.4	98.5	98.8	98.9	98.9	99.4	99.4	99.7	99.7
IV 0	79.7	94.4	96.0	97.1	98.1	98.2	98.3	98.4	98.5	98.8	98.9	98.9	99.4	99.4	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 2972



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

## CEILING VERSUS VISIBILITY

23211

HAMILTON AFB CALIF/SAN RAFAEL

39-70

YEARS

III

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	39.8	53.3	53.9	54.4	54.5	54.5	54.6	54.6	54.6	54.7	54.7	54.7	54.8	54.8	54.8	54.8
≥20000	41.2	55.5	56.3	56.8	56.8	56.8	56.9	57.0	57.0	57.1	57.1	57.1	57.1	57.1	57.2	57.2
IV 18000	41.2	55.6	56.3	56.8	56.9	56.9	57.0	57.0	57.0	57.1	57.1	57.1	57.2	57.2	57.2	57.2
IV 16000	41.6	55.9	56.7	57.2	57.2	57.2	57.3	57.4	57.4	57.5	57.5	57.5	57.5	57.5	57.6	57.6
IV 14000	42.4	56.8	57.6	58.1	58.1	58.1	58.2	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.5	58.5
IV 12000	42.6	57.9	58.6	59.1	59.2	59.2	59.3	59.3	59.3	59.4	59.4	59.4	59.5	59.5	59.5	59.5
IV 10000	43.6	58.1	58.9	59.4	59.4	59.4	59.5	59.6	59.6	59.7	59.7	59.7	59.7	59.7	59.8	59.8
IV 9000	43.7	58.2	59.0	59.5	59.5	59.5	59.6	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.9	59.9
IV 8000	43.9	58.5	59.3	59.8	59.8	59.8	59.9	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.2	60.2
IV 7000	43.9	58.5	59.3	59.8	59.8	59.8	59.9	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.2	60.2
IV 6000	43.9	58.6	59.3	59.8	59.9	59.9	60.0	60.0	60.0	60.1	60.1	60.1	60.2	60.2	60.2	60.2
IV 5000	44.0	58.7	59.4	59.9	60.0	60.0	60.1	60.1	60.1	60.2	60.2	60.2	60.3	60.3	60.3	60.3
IV 4500	44.1	58.8	59.5	60.0	60.1	60.1	60.2	60.2	60.2	60.3	60.3	60.3	60.4	60.4	60.4	60.4
IV 4000	44.2	58.9	59.6	60.1	60.2	60.2	60.3	60.3	60.3	60.4	60.4	60.4	60.5	60.5	60.5	60.5
IV 3500	44.2	58.9	59.6	60.1	60.2	60.2	60.3	60.3	60.3	60.4	60.4	60.4	60.5	60.5	60.5	60.5
IV 3000	44.3	59.0	59.7	60.2	60.2	60.2	60.3	60.4	60.4	60.5	60.5	60.5	60.5	60.5	60.6	60.6
IV 2500	44.5	59.2	59.9	60.4	60.5	60.5	60.6	60.6	60.6	60.7	60.7	60.7	60.8	60.8	60.8	60.8
IV 2000	45.6	60.3	61.0	61.6	61.6	61.6	61.7	61.8	61.8	61.9	61.9	61.9	61.9	61.9	62.0	62.0
IV 1800	46.1	60.9	61.6	62.2	62.2	62.2	62.3	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.6	62.6
IV 1500	48.6	63.6	64.4	64.9	64.9	64.9	65.1	65.1	65.1	65.2	65.2	65.2	65.3	65.3	65.3	65.3
IV 1200	54.2	70.9	71.8	72.3	72.4	72.4	72.5	72.5	72.5	72.6	72.6	72.6	72.7	72.7	72.7	72.7
IV 1000	59.2	78.0	78.9	79.6	79.6	79.6	79.7	79.8	79.8	79.9	79.9	79.9	80.0	80.0	80.0	80.1
IV 900	62.1	82.2	83.1	83.8	83.8	83.8	83.9	84.0	84.0	84.1	84.1	84.1	84.2	84.2	84.2	84.3
IV 800	64.7	86.8	87.9	88.8	88.8	88.8	89.0	89.0	89.0	89.1	89.2	89.2	89.2	89.2	89.3	89.3
IV 700	66.7	90.6	92.0	93.2	93.3	93.3	93.5	93.5	93.5	93.6	93.7	93.7	93.7	93.7	93.8	93.8
IV 600	67.5	92.6	94.3	95.7	96.0	96.0	96.2	96.2	96.2	96.4	96.5	96.5	96.5	96.5	96.6	96.6
IV 500	67.7	93.2	95.1	96.9	97.4	97.4	97.6	97.7	97.7	98.0	98.0	98.0	98.1	98.1	98.1	98.2
IV 400	67.8	93.4	95.4	97.5	98.2	98.2	98.6	98.7	98.7	99.0	99.2	99.2	99.2	99.2	99.3	99.3
IV 300	67.8	93.4	95.4	97.6	98.4	98.4	98.8	98.9	99.0	99.4	99.5	99.5	99.6	99.6	99.7	99.7
IV 200	67.8	93.4	95.4	97.6	98.4	98.4	98.8	98.9	99.0	99.4	99.6	99.6	99.7	99.7	99.8	99.9
IV 100	67.8	93.4	95.4	97.6	98.4	98.4	98.8	98.9	99.0	99.4	99.6	99.6	99.7	99.7	99.8	99.9
IV 0	67.8	93.4	95.4	97.6	98.4	98.4	98.8	98.9	99.0	99.4	99.6	99.6	99.7	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 2970

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

STATION 23211 HAMILTON AFB CALIF/SAN RAFAEL STATION NAME 39-70 YEARS MONTH JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0200-1100

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	64.9	83.4	83.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥20000	64.6	83.0	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
IV 18000	68.8	88.1	88.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 16000	69.1	88.5	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 14000	69.7	89.0	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 12000	70.1	89.6	89.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 10000	70.5	89.9	90.3	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
IV 9000	70.5	89.9	90.3	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
IV 8000	70.5	89.9	90.3	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
IV 7000	70.5	90.0	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 6000	70.5	90.0	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 5000	70.5	90.1	90.5	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 4500	70.6	90.1	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 4000	70.6	90.1	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 3500	70.6	90.2	90.6	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
IV 3000	70.8	90.4	90.8	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 2500	71.7	91.2	91.6	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 2000	73.2	92.8	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 1800	73.6	93.3	93.6	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 1700	75.1	93.0	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 1500	77.3	97.5	97.9	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 1000	77.9	98.4	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 900	78.1	98.8	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 800	78.2	99.0	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	78.2	99.0	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	78.2	99.0	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	78.2	99.1	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	78.2	99.1	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	78.2	99.1	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	78.2	99.1	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	78.2	99.1	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	78.2	99.1	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2974

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23211 HAMILTON AFB CALIF/SAN RAFAEL

39-70

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	79.5	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 18000	82.8	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 16000	84.3	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 14000	84.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 12000	85.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 10000	85.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 9000	85.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 8000	85.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 7000	85.4	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 6000	85.4	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 5000	85.4	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 4500	85.4	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 4000	85.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 3500	85.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 3000	85.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 2500	86.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 2000	86.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1800	86.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1500	86.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1200	86.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	86.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	86.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	86.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	86.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	86.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	86.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	86.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	86.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	86.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	86.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	86.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2976

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23211

HAMILTON AFB CALIF/SAN RAFAEL

39-70

YEARS

JUL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	86.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 20000	92.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 18000	92.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 16000	92.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 14000	92.9	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 12000	93.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 10000	93.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 9000	93.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 8000	93.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 7000	93.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 6000	93.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 5000	93.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 4500	93.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 4000	93.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 3500	93.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 3000	94.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 2500	94.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 2000	94.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1800	94.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1500	94.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1200	94.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	94.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	94.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	94.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	94.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	94.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	94.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	94.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	94.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	94.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	94.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	94.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

USAF ETAC

FORM  
JUL 64

0-14-5 (OL 1)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

TOTAL NUMBER OF OBSERVATIONS

2976

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1600-2000  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	87.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 18000	92.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 16000	92.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 14000	92.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 12000	92.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 10000	93.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 9000	94.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 8000	94.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 7000	94.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 6000	94.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 5000	94.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 4500	94.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 4000	94.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 3500	94.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 3000	94.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 2500	94.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 2000	95.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 1800	95.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 1500	95.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 1200	95.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1000	95.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 900	95.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	95.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	95.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	95.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	95.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	95.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	95.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	95.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	95.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	95.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2972

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

23211

HAMILTON AFB CALIF/SAN RAFAEL

39-70

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	86.0 90.1	90.5 94.8	90.6 94.9	90.6 95.0	90.6 95.0	90.6 95.0	90.6 95.0	90.6 95.0	90.6 95.0	90.6 95.0	90.6 95.0	90.6 95.0	90.6 95.0	90.6 95.0	90.6 95.0	90.6 95.0
IV 18000 IV 16000	90.2 90.2	94.9 94.9	95.0 95.0	95.1 95.1	95.1 95.1	95.1 95.1	95.1 95.1	95.1 95.1	95.1 95.1	95.1 95.1	95.1 95.1	95.1 95.1	95.1 95.1	95.1 95.1	95.1 95.1	95.1 95.1
IV 14000 IV 12000	90.7 91.3	95.4 96.0	95.5 96.1	95.6 96.1	95.6 96.1	95.6 96.1	95.6 96.1	95.6 96.1	95.6 96.1	95.6 96.1	95.6 96.1	95.6 96.1	95.6 96.1	95.6 96.1	95.6 96.1	95.6 96.1
IV 10000 IV 9000	91.6 91.6	96.3 96.3	96.4 96.4	96.4 96.4	96.4 96.4	96.4 96.4	96.4 96.4	96.4 96.4	96.4 96.4	96.4 96.4	96.4 96.4	96.4 96.4	96.4 96.4	96.4 96.4	96.4 96.4	96.4 96.4
IV 8000 IV 7000	91.7 91.7	96.4 96.4	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5
IV 6000 IV 5000	91.7 91.7	96.4 96.4	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5
IV 4500 IV 4000	91.7 91.7	96.4 96.4	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5
IV 3500 IV 3000	91.7 91.7	96.4 96.4	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5
IV 2500 IV 2000	91.9 92.1	96.5 96.8	96.5 96.9	96.7 97.0	96.7 97.0	96.7 97.0	96.7 97.0	96.7 97.0	96.7 97.0	96.7 97.0	96.7 97.0	96.7 97.0	96.7 97.0	96.7 97.0	96.7 97.0	96.7 97.0
IV 1800 IV 1500	92.3 92.9	97.0 97.6	97.1 97.7	97.2 97.8	97.2 97.8	97.2 97.8	97.2 97.8	97.2 97.8	97.2 97.8	97.2 97.8	97.2 97.8	97.2 97.8	97.2 97.8	97.2 97.8	97.2 97.8	97.2 97.8
IV 1200 IV 1000	93.9 94.3	98.7 99.1	98.8 99.2	98.8 99.2	98.8 99.2	98.8 99.2	98.8 99.2	98.8 99.2	98.8 99.2	98.8 99.2	98.8 99.2	98.8 99.2	98.8 99.2	98.8 99.2	98.8 99.2	98.8 99.2
IV 900 IV 800	94.5 94.8	99.3 99.7	99.4 99.8	99.4 99.8	99.4 99.8	99.4 99.8	99.4 99.8	99.4 99.8	99.4 99.8	99.4 99.8	99.4 99.8	99.4 99.8	99.4 99.8	99.4 99.8	99.4 99.8	99.4 99.8
IV 700 IV 600	94.9 95.0	99.7 99.8	99.8 99.9	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0
IV 500 IV 400	95.0 95.0	99.8 99.8	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 300 IV 200	95.0 95.0	99.8 99.8	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 100 IV 0	95.0 95.0	99.8 99.8	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0

TOTAL NUMBER OF OBSERVATIONS

2974

USAF ETAC

FORM  
JUL 64

0-14-5 (OL 1)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

23211

HAMILTON AFB CALIF/SAN RAFAEL

39-70

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	69.2 72.2	74.1 77.4	74.3 77.6	74.3 77.6	74.6 77.9	74.6 77.9	74.7 78.0	74.7 78.0	74.7 78.0	74.7 78.0	74.7 78.0	74.7 78.0	74.7 78.0	74.7 78.0	74.7 78.0	74.7 78.0
IV 18000 16000	72.3 72.4	77.5 77.5	77.7 77.8	77.7 77.8	78.0 78.1	78.0 78.1	78.1 78.1	78.1 78.1	78.1 78.1	78.1 78.1	78.1 78.1	78.1 78.1	78.1 78.1	78.1 78.1	78.1 78.1	78.1 78.2
IV 14000 12000	73.7 74.3	79.0 79.5	79.2 79.8	79.2 79.8	79.5 80.1	79.5 80.1	79.6 80.2	79.6 80.2	79.6 80.2	79.6 80.2	79.6 80.2	79.6 80.2	79.6 80.2	79.6 80.2	79.6 80.2	79.6 80.2
IV 10000 9000	74.5 74.5	79.8 79.9	80.0 80.1	80.1 80.2	80.4 80.5	80.4 80.5	80.4 80.5	80.4 80.5	80.4 80.5	80.4 80.5	80.4 80.5	80.4 80.5	80.4 80.5	80.4 80.5	80.4 80.5	80.5 80.6
IV 8000 7000	74.7 74.8	80.0 80.1	80.3 80.4	80.3 80.5	80.7 80.8	80.7 80.8	80.7 80.8	80.7 80.8	80.7 80.8	80.7 80.8	80.7 80.8	80.7 80.8	80.7 80.8	80.7 80.8	80.7 80.8	80.8 80.9
IV 6000 5000	74.8 74.8	80.2 80.2	80.4 80.4	80.5 80.5	80.8 80.8	80.8 80.8	80.9 80.9	80.9 80.9	80.9 80.9	80.9 80.9	80.9 80.9	80.9 80.9	80.9 80.9	80.9 80.9	80.9 80.9	80.9 80.9
IV 4500 4000	74.9 74.9	80.2 80.3	80.5 80.5	80.5 80.6	80.9 80.9	80.9 80.9	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	81.0 81.0
IV 3500 3000	74.9 75.1	80.3 80.5	80.5 80.7	80.6 80.8	80.9 81.1	80.9 81.1	81.0 81.2	81.0 81.2	81.0 81.2	81.0 81.2	81.0 81.2	81.0 81.2	81.0 81.2	81.0 81.2	81.0 81.2	81.0 81.3
IV 2500 2000	75.5 76.0	80.8 81.3	81.1 81.6	81.2 81.7	81.5 82.0	81.5 82.0	81.6 82.0	81.6 82.0	81.6 82.0	81.6 82.0	81.6 82.0	81.6 82.0	81.6 82.0	81.6 82.0	81.6 82.0	81.6 82.1
IV 1800 1500	76.2 77.1	81.6 82.5	81.8 82.8	81.9 82.9	82.2 83.2	82.2 83.2	82.3 83.2	82.3 83.2	82.3 83.2	82.3 83.2	82.3 83.2	82.3 83.2	82.3 83.2	82.3 83.2	82.3 83.2	82.3 83.3
IV 1200 1000	79.6 83.1	85.4 89.4	85.7 89.7	85.8 89.8	86.1 90.1	86.1 90.1	86.1 90.1	86.1 90.1	86.1 90.1	86.1 90.1	86.1 90.1	86.1 90.1	86.1 90.1	86.1 90.1	86.1 90.1	86.2 90.2
IV 900 800	85.3 87.4	91.8 94.4	92.1 94.6	92.2 94.7	92.5 95.0	92.5 95.0	92.5 95.1	92.5 95.1	92.5 95.1	92.5 95.1	92.5 95.1	92.5 95.1	92.5 95.1	92.5 95.1	92.5 95.1	92.6 95.1
IV 700 600	89.1 90.1	96.7 97.9	97.0 98.4	97.1 98.4	97.6 98.9	97.6 98.9	97.6 98.9	97.6 98.9	97.6 98.9	97.6 98.9	97.6 98.9	97.6 98.9	97.6 98.9	97.6 98.9	97.6 98.9	97.7 99.0
IV 500 400	90.3 90.3	98.3 98.4	98.8 98.9	99.0 99.1	99.4 99.5	99.5 99.6	99.5 99.6	99.5 99.6	99.5 99.6	99.5 99.6	99.5 99.6	99.5 99.6	99.5 99.6	99.5 99.6	99.5 99.6	99.6 99.7
IV 300 200	90.4 90.4	98.5 98.5	99.0 99.1	99.2 99.2	99.7 99.7	99.7 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.9 99.9
IV 100 0	90.4 90.4	98.5 98.5	99.1 99.1	99.2 99.2	99.7 99.7	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	100.0 100.0

TOTAL NUMBER OF OBSERVATIONS

2976

USAF ETAC

FORM  
JUL 64

0-14-5 (OL 1)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

23211

HAMILTON AFB CALIF/SAH RAFAEL

39-70

YEARS

AUG

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500

HOURLY (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	50.5	55.9	56.3	56.6	57.0	57.0	57.1	57.1	57.1	57.3	57.3	57.3	57.5	57.6	57.7	58.0
≥ 20000	52.9	58.8	59.1	59.3	59.8	59.8	59.9	60.0	60.0	60.2	60.2	60.2	60.4	60.4	60.6	60.9
IV 18000	53.0	58.8	59.2	59.5	59.9	59.9	60.0	60.0	60.0	60.2	60.2	60.2	60.4	60.5	60.6	60.9
IV 16000	53.0	58.9	59.2	59.6	59.9	59.9	60.0	60.1	60.1	60.3	60.3	60.3	60.5	60.5	60.7	61.0
IV 14000	54.0	59.9	60.3	60.6	61.0	61.0	61.1	61.1	61.1	61.4	61.4	61.4	61.6	61.6	61.8	62.1
IV 12000	54.8	60.7	61.2	61.5	61.9	61.9	62.0	62.1	62.1	62.3	62.3	62.3	62.5	62.5	62.7	63.0
IV 10000	55.2	61.1	61.6	61.9	62.3	62.3	62.4	62.5	62.5	62.7	62.7	62.7	62.9	62.9	63.1	63.4
IV 9000	55.3	61.3	61.8	62.1	62.5	62.5	62.6	62.6	62.6	62.9	62.9	62.9	63.1	63.1	63.3	63.5
IV 8000	55.3	61.3	61.8	62.2	62.5	62.5	62.6	62.7	62.7	62.9	62.9	62.9	63.1	63.1	63.3	63.6
IV 7000	55.4	61.4	61.9	62.2	62.6	62.6	62.7	62.7	62.7	63.0	63.0	63.0	63.2	63.2	63.4	63.6
IV 6000	55.4	61.4	61.9	62.3	62.6	62.6	62.7	62.8	62.8	63.0	63.0	63.0	63.2	63.2	63.4	63.7
IV 5000	55.4	61.4	61.9	62.3	62.6	62.6	62.7	62.8	62.8	63.0	63.0	63.0	63.2	63.2	63.4	63.7
IV 4500	55.5	61.6	62.1	62.4	62.8	62.8	62.9	62.9	62.9	63.1	63.1	63.1	63.3	63.3	63.5	63.8
IV 4000	55.7	61.7	62.2	62.6	62.9	62.9	63.0	63.1	63.1	63.3	63.3	63.3	63.5	63.5	63.7	64.0
IV 3500	55.7	61.7	62.2	62.6	62.9	62.9	63.0	63.1	63.1	63.3	63.3	63.3	63.5	63.5	63.7	64.0
IV 3000	55.8	61.9	62.4	62.7	63.1	63.1	63.2	63.2	63.2	63.4	63.4	63.4	63.6	63.7	63.8	64.1
IV 2500	56.5	62.6	63.1	63.4	63.8	63.8	63.9	63.9	63.9	64.2	64.2	64.2	64.4	64.4	64.6	64.8
IV 2000	57.4	63.5	64.0	64.4	64.7	64.7	64.8	64.9	64.9	65.1	65.1	65.1	65.3	65.4	65.5	65.8
IV 1800	57.8	63.9	64.4	64.7	65.1	65.1	65.2	65.2	65.2	65.5	65.5	65.5	65.7	65.7	65.9	66.2
IV 1500	59.2	65.4	65.9	66.3	66.6	66.6	66.7	66.8	66.8	67.0	67.0	67.0	67.2	67.3	67.4	67.7
IV 1200	62.7	69.2	69.6	70.0	70.4	70.4	70.5	70.5	70.5	70.8	70.8	70.8	71.0	71.0	71.2	71.5
IV 1000	66.9	74.3	74.8	75.2	75.6	75.6	75.7	75.7	75.7	75.9	75.9	75.9	76.2	76.2	76.4	76.6
IV 900	69.8	77.8	78.4	78.8	79.2	79.2	79.3	79.3	79.3	79.5	79.5	79.5	79.8	79.8	80.0	80.2
IV 800	73.0	81.5	82.6	83.0	83.4	83.4	83.5	83.5	83.5	83.7	83.7	83.7	84.0	84.0	84.2	84.4
IV 700	76.4	86.1	87.1	87.6	88.1	88.1	88.2	88.2	88.2	88.5	88.5	88.5	88.7	88.8	88.9	89.2
IV 600	79.0	90.1	91.2	91.9	92.6	92.6	92.7	92.7	92.7	93.0	93.1	93.1	93.3	93.4	93.5	93.8
IV 500	80.5	92.4	93.6	94.5	95.3	95.3	95.4	95.5	95.5	95.8	95.9	95.9	96.2	96.2	96.4	96.7
IV 400	80.7	93.0	94.3	95.3	96.1	96.1	96.3	96.3	96.3	96.7	96.8	96.8	97.1	97.1	97.3	97.6
IV 300	80.8	93.2	94.6	95.7	96.6	96.6	96.8	96.9	96.9	97.4	97.5	97.5	97.8	97.8	98.1	98.4
IV 200	80.8	93.3	94.7	95.8	96.8	96.8	97.0	97.1	97.1	97.9	98.0	98.0	98.4	98.4	98.7	99.0
IV 100	80.8	93.3	94.8	95.9	96.8	96.8	97.0	97.2	97.2	98.1	98.2	98.2	98.7	98.7	99.1	99.4
IV 0	80.8	93.3	94.8	95.9	96.8	96.8	97.0	97.2	97.2	98.1	98.3	98.3	98.8	98.8	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS

2975

USAF ETAC

FORM  
JUL 64

0-14-5 (OL 1)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23211

HAMILTON AFB CALIF/SAN RAFAEL

39-70

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	35.2	47.5	48.3	48.8	49.0	49.0	49.0	49.0	49.0	49.1	49.1	49.1	49.2	49.2	49.3	49.5
IV 20000	37.7	50.6	51.4	51.9	52.1	52.1	52.2	52.2	52.2	52.3	52.3	52.3	52.4	52.4	52.5	52.7
IV 18000	37.8	50.7	51.6	52.0	52.3	52.3	52.3	52.3	52.3	52.4	52.4	52.4	52.5	52.5	52.6	52.8
IV 16000	37.9	50.9	51.7	52.2	52.4	52.4	52.5	52.5	52.5	52.6	52.6	52.6	52.7	52.7	52.8	53.0
IV 14000	38.6	51.6	52.5	52.9	53.1	53.1	53.2	53.2	53.2	53.3	53.3	53.3	53.4	53.4	53.5	53.7
IV 12000	39.8	53.0	53.8	54.3	54.5	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.8	54.8	54.9	55.1
IV 10000	40.2	53.4	54.2	54.7	54.9	54.9	55.0	55.0	55.0	55.1	55.1	55.1	55.2	55.2	55.3	55.5
IV 9000	40.3	53.8	54.6	55.1	55.3	55.3	55.3	55.3	55.3	55.4	55.4	55.4	55.5	55.5	55.6	55.8
IV 8000	40.9	54.1	55.0	55.4	55.6	55.6	55.7	55.7	55.7	55.7	55.8	55.8	55.9	55.9	56.0	56.2
IV 7000	40.9	54.2	55.0	55.5	55.7	55.7	55.7	55.7	55.7	55.8	55.8	55.8	55.9	55.9	56.0	56.3
IV 6000	41.0	54.3	55.1	55.6	55.8	55.8	55.8	55.8	55.8	55.9	55.9	55.9	56.0	56.0	56.1	56.4
IV 5000	41.0	54.3	55.1	55.6	55.8	55.8	55.9	55.9	55.9	55.9	55.9	55.9	56.1	56.1	56.2	56.4
IV 4500	41.1	54.4	55.3	55.7	55.9	55.9	56.0	56.0	56.0	56.1	56.1	56.1	56.2	56.2	56.3	56.5
IV 4000	41.3	54.6	55.5	55.9	56.1	56.1	56.2	56.2	56.2	56.3	56.3	56.3	56.4	56.4	56.5	56.7
IV 3500	41.5	54.9	55.7	56.2	56.4	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.7	56.7	56.8	57.0
IV 3000	42.0	55.4	56.3	56.8	57.0	57.0	57.0	57.0	57.0	57.1	57.1	57.1	57.2	57.2	57.3	57.5
IV 2500	42.3	55.8	56.7	57.2	57.4	57.4	57.4	57.4	57.4	57.5	57.5	57.5	57.6	57.6	57.7	57.9
IV 2000	43.2	56.8	57.6	58.1	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.6	58.6	58.7	58.9
IV 1800	44.0	57.6	58.5	58.9	59.1	59.1	59.2	59.2	59.2	59.3	59.3	59.3	59.4	59.4	59.5	59.7
IV 1500	46.5	60.5	61.3	61.8	62.0	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.3	62.3	62.4	62.6
IV 1200	51.0	66.2	67.1	67.6	67.8	67.8	67.9	67.9	67.9	68.0	68.0	68.0	68.1	68.1	68.2	68.4
IV 1000	55.6	72.9	74.0	74.6	74.8	74.8	74.9	74.9	74.9	74.9	74.9	74.9	75.1	75.1	75.2	75.4
IV 900	58.0	77.0	78.1	78.8	79.1	79.1	79.1	79.1	79.1	79.2	79.2	79.2	79.3	79.3	79.4	79.6
IV 800	60.6	81.6	83.0	83.9	84.2	84.2	84.3	84.3	84.3	84.4	84.4	84.4	84.5	84.5	84.6	84.9
IV 700	62.0	85.1	86.8	88.0	88.3	88.3	88.5	88.6	88.6	88.7	88.7	88.7	88.8	88.8	88.9	89.2
IV 600	63.0	88.0	90.1	91.9	92.4	92.4	92.7	92.8	92.8	92.9	92.9	92.9	93.1	93.1	93.2	93.5
IV 500	63.5	89.3	91.8	94.0	94.7	94.8	95.2	95.3	95.3	95.5	95.6	95.6	95.8	95.8	96.0	96.2
IV 400	63.5	89.5	92.0	94.6	95.5	95.6	96.2	96.4	96.5	96.8	96.9	97.0	97.2	97.2	97.4	97.7
IV 300	63.5	89.7	92.2	95.0	96.0	96.1	96.9	97.1	97.3	97.9	98.1	98.1	98.4	98.4	98.6	99.0
IV 200	63.5	89.7	92.2	95.1	96.1	96.2	97.0	97.2	97.4	98.1	98.2	98.2	98.6	98.6	99.0	99.4
IV 100	63.5	89.7	92.2	95.1	96.1	96.2	97.0	97.2	97.4	98.1	98.2	98.3	98.7	98.7	99.2	99.7
IV 0	63.5	89.7	92.2	95.1	96.1	96.2	97.0	97.2	97.4	98.1	98.2	98.3	98.7	98.7	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 2976

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

22211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (UTC)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	57.1	76.4	77.1	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	78.0	78.0	78.0
≥ 20000	60.9	81.8	82.6	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 18000	61.0	81.8	82.6	83.3	83.4	83.4	83.4	83.4	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5
IV 16000	61.1	82.0	82.8	83.5	83.5	83.5	83.5	83.5	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 14000	61.8	82.7	83.5	84.2	84.3	84.3	84.3	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IV 12000	62.7	83.7	84.5	85.2	85.3	85.3	85.3	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IV 10000	63.3	84.4	85.2	85.9	86.0	86.0	86.0	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 9000	63.4	84.6	85.4	86.2	86.2	86.2	86.2	86.2	86.2	86.3	86.3	86.3	86.3	86.4	86.4	86.4
IV 8000	63.7	84.9	85.7	86.5	86.6	86.6	86.6	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 7000	63.9	85.1	85.9	86.7	86.8	86.8	86.8	86.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 6000	63.9	85.1	85.9	86.7	86.8	86.8	86.8	86.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 5000	63.9	85.1	86.0	86.7	86.8	86.8	86.8	86.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 4500	63.9	85.1	86.0	86.7	86.8	86.8	86.8	86.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 4000	64.3	85.5	86.3	87.1	87.1	87.1	87.1	87.1	87.1	87.2	87.2	87.2	87.2	87.3	87.3	87.3
IV 3500	64.4	85.6	86.4	87.2	87.3	87.3	87.3	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 3000	65.1	86.3	87.1	87.9	88.0	88.0	88.0	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 2500	65.8	87.2	88.0	88.7	88.8	88.8	88.8	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 2000	67.6	89.1	90.0	90.8	90.8	90.8	90.8	90.8	90.8	90.9	90.9	90.9	90.9	91.0	91.0	91.0
IV 1800	68.4	90.0	90.8	91.6	91.7	91.7	91.7	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 1500	69.8	91.9	92.7	93.5	93.6	93.6	93.6	93.6	93.6	93.7	93.7	93.7	93.7	93.8	93.8	93.8
IV 1200	71.6	94.6	95.3	96.3	96.4	96.4	96.4	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 1000	72.5	96.1	97.0	97.9	98.0	98.0	98.0	98.0	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 900	72.9	96.8	97.7	98.7	98.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	99.0	99.0	99.0
IV 800	73.1	97.3	98.2	99.2	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.5	99.5	99.5
IV 700	73.1	97.4	98.4	99.4	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 600	73.1	97.6	98.6	99.6	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	73.1	97.6	98.6	99.6	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	73.1	97.6	98.6	99.6	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	73.1	97.6	98.6	99.6	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	73.1	97.6	98.6	99.6	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	73.1	97.6	98.6	99.6	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	73.1	97.6	98.6	99.6	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 2976

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23211

HAMILT N AFB CALIF/SAN RAFAEL

39-70

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (ZST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	73.1	87.6	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 18000	78.5	94.3	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 16000	78.7	94.4	94.8	95.0	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 14000	79.5	95.2	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 12000	80.1	96.0	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 10000	80.3	96.1	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 9000	80.5	96.4	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 8000	80.7	96.6	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 7000	80.7	96.7	97.1	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 6000	80.7	96.7	97.1	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 5000	80.7	96.7	97.1	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 4500	80.7	96.7	97.1	97.4	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 4000	80.8	96.8	97.2	97.5	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 3500	81.0	97.0	97.4	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 3000	81.6	97.6	98.0	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 2500	82.4	98.5	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 2000	82.7	98.9	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1800	82.9	99.0	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1500	82.9	99.1	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1200	83.0	99.2	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	83.0	99.2	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	83.0	99.2	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	83.0	99.2	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	83.0	99.2	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	83.0	99.2	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	83.0	99.2	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	83.0	99.2	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	83.0	99.2	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 250	83.0	99.2	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	83.0	99.2	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	83.0	99.2	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2976

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

STATION 23211 HAMILTON AFB CALIF/SAN RAFAEL YEARS 39-70 MONTH AUG

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING IV 20000	83.5 90.1	88.6 95.7	88.7 95.8	88.7 95.8	88.7 95.8	88.7 95.8	88.7 95.8	88.7 95.8	88.7 95.8	88.7 95.8	88.7 95.8	88.7 95.8	88.7 95.8	88.7 95.8	88.7 95.8	88.7 95.8
IV 18000	90.3	95.9	96.0	96.0	96.1	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 16000	90.5	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 14000	91.7	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 12000	92.0	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 10000	92.3	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 9000	92.5	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 8000	92.7	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 7000	92.7	98.4	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 6000	92.7	98.5	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 5000	92.8	98.6	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 4500	92.8	98.6	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 4000	92.8	98.6	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 3500	92.9	98.6	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 3000	93.2	98.9	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 2500	93.4	99.2	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 2000	93.7	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1800	93.8	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1500	93.8	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1200	93.9	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	93.9	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	93.9	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	93.9	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	93.9	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	93.9	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	93.9	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	93.9	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	93.9	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	93.9	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	93.9	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	93.9	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

TOTAL NUMBER OF OBSERVATIONS 2974



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

23211

HAMILTON AFB CALIF/SAN RAFAEL

39-70

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥0
NO CEILING	83.2	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 20000	82.1	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 18000	89.2	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 16000	89.5	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 14000	90.6	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 12000	91.3	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 10000	91.8	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 9000	92.0	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 8000	92.3	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 7000	92.4	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 6000	92.4	98.2	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 5000	92.4	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 4500	92.4	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 4000	92.4	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 3500	92.5	98.3	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 3000	92.6	98.3	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 2500	92.8	98.7	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 2000	93.0	98.9	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 1800	93.0	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 1500	93.3	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1200	93.7	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1000	93.8	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 900	93.9	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	93.9	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	93.9	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	93.9	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	93.9	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	93.9	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	93.9	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	93.9	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	93.9	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	93.9	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2973



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

23211

HAMILTON AFB CALIF/SAN RAFAEL

39-70

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	83.0	80.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 20000	87.1	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 18000	87.2	92.8	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 16000	87.3	92.9	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV 14000	87.4	93.0	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 12000	87.5	93.1	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 10000	87.6	93.2	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 9000	87.7	93.3	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 8000	87.8	93.4	93.5	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 7000	87.9	93.5	93.6	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 6000	88.0	93.6	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 5000	88.1	93.7	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 4500	88.2	93.8	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 4000	88.3	93.9	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 3500	88.4	94.0	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 3000	88.5	94.1	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 2500	88.6	94.2	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 2000	88.7	94.3	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 1800	88.8	94.4	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 1500	88.9	94.5	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 1200	89.0	94.6	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 1000	89.1	94.7	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 900	89.2	94.8	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 800	89.3	94.9	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 700	89.4	95.0	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 600	89.5	95.1	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 500	89.6	95.2	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 400	89.7	95.3	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 300	89.8	95.4	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 200	89.9	95.5	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 100	90.0	95.6	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 0	90.1	95.7	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9

TOTAL NUMBER OF OBSERVATIONS

2975

USAF ETAC

FORM  
JUL 64

0-14-5 (OL 1)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	69.2	77.9	78.3	78.6	79.1	79.1	79.2	79.3	79.3	79.4	79.4	79.4	79.5	79.5	79.6	79.7
≥ 20000	72.4	81.8	82.2	82.3	83.0	83.0	83.3	83.3	83.3	83.4	83.5	83.5	83.5	83.5	83.6	83.7
≥ 18000	72.5	82.0	82.4	82.7	83.2	83.2	83.5	83.6	83.6	83.7	83.7	83.7	83.8	83.8	83.9	84.0
≥ 16000	72.6	82.1	82.6	82.8	83.3	83.3	83.6	83.7	83.7	83.8	83.8	83.8	83.9	83.9	84.0	84.1
≥ 14000	73.2	82.7	83.1	83.4	83.9	83.9	84.2	84.2	84.2	84.3	84.4	84.4	84.4	84.4	84.5	84.6
≥ 12000	73.5	83.2	83.6	83.9	84.4	84.4	84.7	84.7	84.7	84.8	84.8	84.8	84.9	84.9	85.0	85.1
≥ 10000	74.1	83.8	84.2	84.5	84.9	84.9	85.3	85.3	85.3	85.4	85.4	85.4	85.5	85.5	85.6	85.7
≥ 9000	74.2	83.8	84.2	84.5	85.0	85.0	85.3	85.3	85.3	85.4	85.4	85.4	85.5	85.5	85.6	85.7
≥ 8000	74.3	83.9	84.3	84.6	85.1	85.1	85.4	85.4	85.4	85.5	85.5	85.6	85.6	85.6	85.7	85.9
≥ 7000	74.4	84.0	84.5	84.7	85.2	85.2	85.5	85.6	85.6	85.7	85.7	85.7	85.8	85.8	85.9	86.0
≥ 6000	74.5	84.1	84.5	84.8	85.3	85.3	85.6	85.6	85.6	85.7	85.7	85.7	85.8	85.8	85.9	86.0
≥ 5000	74.5	84.1	84.5	84.8	85.3	85.3	85.6	85.6	85.6	85.7	85.7	85.7	85.8	85.8	85.9	86.0
≥ 4500	74.6	84.2	84.6	84.9	85.4	85.4	85.7	85.7	85.7	85.8	85.8	85.9	85.9	85.9	86.0	86.1
≥ 4000	74.6	84.3	84.7	84.9	85.4	85.4	85.7	85.8	85.8	85.9	85.9	85.9	86.0	86.0	86.1	86.2
≥ 3500	74.9	84.6	85.0	85.3	85.7	85.7	86.1	86.1	86.1	86.2	86.2	86.2	86.3	86.3	86.4	86.5
≥ 3000	75.2	84.9	85.3	85.6	86.1	86.1	86.4	86.4	86.4	86.5	86.6	86.6	86.7	86.7	86.8	86.9
≥ 2500	75.8	85.5	85.9	86.2	86.7	86.7	87.0	87.0	87.0	87.1	87.1	87.1	87.2	87.2	87.3	87.4
≥ 2000	77.0	86.8	87.2	87.5	88.0	88.0	88.3	88.3	88.3	88.4	88.5	88.5	88.5	88.5	88.6	88.7
≥ 1800	77.9	87.8	88.2	88.5	89.0	89.0	89.3	89.3	89.3	89.4	89.5	89.5	89.5	89.5	89.6	89.7
≥ 1500	80.1	90.1	90.5	90.8	91.3	91.3	91.6	91.6	91.6	91.7	91.8	91.8	91.8	91.8	91.9	92.0
≥ 1200	81.5	91.7	92.1	92.5	93.0	93.0	93.3	93.4	93.4	93.5	93.5	93.5	93.6	93.6	93.7	93.8
≥ 1000	83.3	94.0	94.4	94.9	95.4	95.4	95.7	95.7	95.7	95.8	95.9	95.9	95.9	95.9	96.0	96.1
≥ 900	84.3	95.1	95.6	96.1	96.6	96.6	96.9	96.9	96.9	97.0	97.0	97.0	97.1	97.1	97.2	97.3
≥ 800	85.0	96.1	96.7	97.1	97.6	97.6	97.9	97.9	97.9	98.1	98.1	98.1	98.2	98.2	98.3	98.4
≥ 700	85.3	96.7	97.2	97.6	98.1	98.1	98.4	98.5	98.5	98.6	98.6	98.6	98.7	98.7	98.8	98.9
≥ 600	85.6	97.2	97.8	98.3	98.7	98.7	99.1	99.1	99.1	99.2	99.2	99.2	99.3	99.3	99.4	99.5
≥ 500	85.6	97.4	98.0	98.5	99.0	99.0	99.3	99.4	99.4	99.5	99.5	99.5	99.6	99.6	99.7	99.8
≥ 400	85.7	97.5	98.1	98.6	99.1	99.1	99.4	99.4	99.4	99.5	99.6	99.6	99.7	99.7	99.8	99.9
≥ 300	85.7	97.5	98.1	98.6	99.1	99.1	99.4	99.4	99.4	99.5	99.6	99.6	99.7	99.7	99.8	99.9
≥ 200	85.7	97.5	98.2	98.7	99.2	99.2	99.5	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.9	100.0
≥ 100	85.7	97.5	98.2	98.7	99.2	99.2	99.5	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.9	100.0
≥ 0	85.7	97.5	98.2	98.7	99.2	99.2	99.5	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 2877

USAF ETAC

FORM  
JUL 64

0-14-5 (OL 1)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

23211 HAMILTON AFB CALIF/SAN RAFAEL

39-70

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0300  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥0
NO CEILING	56.2	65.0	66.2	67.3	68.0	68.0	68.5	68.6	68.6	69.1	69.3	69.3	69.6	69.6	70.4
≥ 20000	58.9	68.8	69.7	70.8	71.6	71.6	72.2	72.3	72.3	72.9	73.0	73.1	73.4	73.4	74.1
≥ 18000	59.1	68.6	69.9	70.9	71.8	71.8	72.4	72.5	72.5	73.0	73.2	73.2	73.5	73.5	74.3
≥ 16000	59.1	68.7	69.9	71.0	71.8	71.8	72.4	72.5	72.5	73.1	73.2	73.3	73.6	73.6	74.3
≥ 14000	59.5	69.1	70.3	71.4	72.2	72.2	72.8	72.9	72.9	73.5	73.7	73.7	74.0	74.0	74.7
≥ 12000	60.1	69.8	71.0	72.1	72.9	72.9	73.5	73.6	73.6	74.1	74.3	74.3	74.7	74.7	75.4
≥ 10000	60.3	70.0	71.2	72.3	73.2	73.2	73.8	73.9	73.9	74.4	74.6	74.6	74.9	74.9	75.7
≥ 9000	60.4	70.1	71.4	72.4	73.3	73.3	73.9	74.0	74.0	74.6	74.7	74.8	75.1	75.1	75.8
≥ 8000	60.6	70.3	71.5	72.6	73.4	73.4	74.0	74.1	74.1	74.7	74.9	74.9	75.2	75.2	75.9
≥ 7000	60.8	70.5	71.7	72.8	73.7	73.7	74.3	74.4	74.4	74.9	75.1	75.1	75.5	75.5	76.2
≥ 6000	60.9	70.5	71.8	72.9	73.7	73.7	74.3	74.4	74.4	75.0	75.1	75.2	75.5	75.5	76.2
≥ 5000	60.9	70.7	71.9	73.0	73.8	73.8	74.4	74.5	74.5	75.1	75.3	75.3	75.6	75.6	76.3
≥ 4500	61.0	70.7	71.9	73.0	73.9	73.9	74.5	74.6	74.6	75.1	75.3	75.4	75.7	75.7	76.4
≥ 4000	61.0	70.9	72.1	73.2	74.0	74.0	74.6	74.7	74.7	75.3	75.5	75.5	75.8	75.8	76.5
≥ 3500	61.2	71.0	72.2	73.3	74.2	74.2	74.8	74.9	74.9	75.4	75.6	75.6	75.9	75.9	76.7
≥ 3000	61.9	71.7	73.0	74.0	74.9	74.9	75.5	75.6	75.6	76.2	76.3	76.4	76.7	76.7	77.8
≥ 2500	62.6	72.5	73.7	74.8	75.7	75.7	76.3	76.4	76.4	76.9	77.1	77.1	77.4	77.4	78.5
≥ 2000	64.4	74.4	75.6	76.7	77.5	77.5	78.1	78.2	78.2	78.8	79.0	79.0	79.3	79.3	80.4
≥ 1800	65.1	75.3	76.5	77.6	78.5	78.5	79.1	79.2	79.2	79.7	79.9	79.9	80.3	80.3	81.3
≥ 1500	67.3	77.8	79.0	80.1	81.1	81.1	81.6	81.8	81.8	82.3	82.5	82.5	82.8	82.8	83.9
≥ 1200	69.6	80.4	81.7	82.8	83.8	83.8	84.4	84.5	84.5	85.1	85.2	85.3	85.6	85.6	86.7
≥ 1000	71.9	83.1	84.3	85.3	86.5	86.5	87.1	87.2	87.2	87.8	87.9	88.0	88.3	88.3	89.4
≥ 900	73.0	84.5	85.7	87.0	88.0	88.0	88.7	88.8	88.8	89.4	89.5	89.6	89.9	89.9	90.8
≥ 800	74.3	86.3	87.7	89.0	90.1	90.1	90.9	91.0	91.0	91.6	91.8	91.8	92.1	92.1	92.8
≥ 700	75.1	87.8	89.1	90.5	91.6	91.6	92.5	92.6	92.6	93.2	93.3	93.4	93.7	93.7	94.8
≥ 600	75.6	88.9	90.2	91.7	92.9	92.9	93.7	93.8	93.8	94.4	94.6	94.6	95.0	95.0	96.1
≥ 500	75.9	90.0	91.6	93.2	94.5	94.5	95.3	95.4	95.4	96.0	96.2	96.2	96.6	96.6	97.7
≥ 400	76.1	90.3	91.8	93.7	95.1	95.1	96.0	96.1	96.1	96.7	96.8	96.9	97.2	97.2	98.4
≥ 300	76.1	90.3	91.9	93.9	95.3	95.3	96.2	96.3	96.3	97.0	97.1	97.2	97.6	97.6	98.8
≥ 200	76.1	90.5	92.1	94.1	95.4	95.4	96.4	96.5	96.6	97.3	97.4	97.5	97.9	97.9	99.1
≥ 100	76.1	90.5	92.1	94.1	95.5	95.5	96.5	96.6	96.6	97.4	97.5	97.6	98.0	98.1	99.4
≥ 0	76.1	90.5	92.1	94.1	95.5	95.5	96.5	96.6	96.6	97.4	97.5	97.6	98.1	98.1	100.0

USAF ETAC

FORM  
JUL 64

0-14-5 (OL 1)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

TOTAL NUMBER OF OBSERVATIONS

2877

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23211 HAMILTON AFB CALIF/SAN RAFAEL 29-70

SEP MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	38.2	53.3	54.9	56.6	57.7	57.8	58.3	58.4	58.4	59.1	59.4	59.4	59.7	59.7	60.1	60.7
≥ 20000	40.6	56.7	58.5	60.3	61.8	61.6	62.1	62.2	62.3	63.0	63.4	63.4	63.6	63.7	64.0	64.6
≥ 18000	40.7	57.0	58.8	60.6	61.8	61.9	62.4	62.5	62.6	63.3	63.6	63.6	63.9	63.9	64.3	64.9
≥ 16000	40.8	57.1	58.9	60.7	61.9	62.0	62.5	62.6	62.7	63.4	63.7	63.7	64.0	64.0	64.4	65.0
IV 14000	41.4	57.8	59.6	61.4	62.6	62.7	63.2	63.3	63.4	64.1	64.4	64.4	64.7	64.7	65.1	65.7
IV 12000	42.7	59.3	61.1	62.9	64.1	64.2	64.7	64.8	64.8	65.6	65.9	65.9	66.2	66.2	66.6	67.2
IV 10000	43.2	59.9	61.6	63.5	64.7	64.7	65.3	65.4	65.4	66.2	66.5	66.5	66.8	66.8	67.2	67.8
IV 9000	43.5	60.2	62.0	63.8	65.0	65.1	65.6	65.7	65.8	66.6	66.9	66.9	67.1	67.1	67.5	68.2
IV 8000	43.7	60.5	62.2	64.1	65.3	65.3	65.9	66.0	66.0	66.8	67.1	67.1	67.4	67.4	67.8	68.4
IV 7000	43.9	60.7	62.5	64.3	65.5	65.6	66.1	66.2	66.3	67.1	67.4	67.4	67.7	67.7	68.0	68.7
IV 6000	44.2	61.0	62.8	64.6	65.9	65.9	66.4	66.5	66.6	67.4	67.7	67.7	68.0	68.0	68.4	69.0
IV 5000	44.2	61.1	62.8	64.7	65.9	65.9	66.4	66.6	66.6	67.4	67.7	67.7	68.0	68.0	68.4	69.0
IV 4500	44.3	61.1	62.9	64.7	66.0	66.0	66.5	66.6	66.7	67.5	67.8	67.8	68.1	68.1	68.5	69.1
IV 4000	44.3	61.3	63.1	65.0	66.2	66.2	66.7	66.8	66.9	67.7	68.0	68.0	68.3	68.3	68.7	69.3
IV 3500	44.7	61.5	63.3	65.2	66.4	66.4	66.9	67.0	67.1	67.9	68.2	68.2	68.5	68.5	68.9	69.5
IV 3000	45.2	62.0	63.8	65.6	66.9	66.9	67.4	67.5	67.6	68.4	68.7	68.7	69.0	69.0	69.4	70.0
IV 2500	45.8	62.7	64.5	66.3	67.6	67.6	68.1	68.2	68.3	69.1	69.4	69.4	69.7	69.7	70.1	70.7
IV 2000	48.3	65.3	67.1	68.9	70.2	70.2	70.7	70.8	70.9	71.7	72.0	72.0	72.3	72.3	72.7	73.3
IV 1800	49.3	66.5	68.4	70.2	71.4	71.5	72.0	72.1	72.1	72.9	73.3	73.3	73.6	73.6	73.9	74.5
IV 1500	51.5	69.1	71.0	72.8	74.1	74.1	74.7	74.8	74.8	75.6	75.9	75.9	76.2	76.2	76.6	77.2
IV 1200	54.3	72.9	74.9	76.9	78.2	78.3	78.9	79.0	79.0	79.8	80.1	80.1	80.4	80.5	80.8	81.4
IV 1000	55.9	75.8	77.9	80.0	81.5	81.6	82.1	82.3	82.3	83.2	83.5	83.5	83.8	83.8	84.2	84.8
IV 900	56.9	77.7	79.9	82.0	83.5	83.6	84.1	84.3	84.4	85.2	85.5	85.5	85.8	85.8	86.2	86.9
IV 800	57.9	79.8	82.0	84.6	86.2	86.2	86.9	87.0	87.1	87.9	88.2	88.2	88.5	88.6	88.9	89.6
IV 700	58.2	81.4	83.8	86.6	88.4	88.5	89.2	89.3	89.4	90.3	90.6	90.6	90.9	90.9	91.3	92.0
IV 600	58.3	82.2	85.0	88.1	89.9	90.1	90.9	91.0	91.1	91.9	92.3	92.3	92.6	92.6	93.0	93.6
IV 500	58.4	82.7	85.7	89.0	91.1	91.4	92.3	92.5	92.5	93.5	93.9	93.9	94.3	94.3	94.7	95.3
IV 400	58.4	82.9	86.0	89.5	91.7	92.0	93.2	93.4	93.5	94.6	95.0	95.0	95.4	95.4	95.8	96.5
IV 300	58.4	82.9	86.0	89.5	92.1	92.5	93.8	94.2	94.3	95.7	96.2	96.2	96.9	96.9	97.3	98.0
IV 200	58.4	83.0	86.1	89.6	92.2	92.6	94.1	94.6	94.8	96.3	96.9	96.9	97.7	97.8	98.2	99.0
IV 100	58.4	83.0	86.1	89.6	92.2	92.7	94.2	94.7	95.0	96.4	97.1	97.1	98.0	98.1	98.7	99.5
IV 0	58.4	83.0	86.1	89.6	92.2	92.7	94.2	94.7	95.0	96.4	97.1	97.1	98.0	98.1	98.7	100.0

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

TOTAL NUMBER OF OBSERVATIONS 2876

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

## CEILING VERSUS VISIBILITY

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	46.9	70.3	73.0	74.6	75.1	75.1	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.4	75.4	75.4
IV 18000	50.1	75.7	78.3	80.3	80.9	81.0	81.1	81.2	81.3	81.4	81.4	81.4	81.4	81.5	81.5	81.5
IV 16000	50.2	75.9	78.7	80.5	81.1	81.2	81.3	81.4	81.5	81.6	81.6	81.6	81.6	81.7	81.7	81.7
IV 14000	50.5	76.2	79.0	80.8	81.4	81.5	81.6	81.7	81.8	81.9	81.9	81.9	81.9	82.0	82.0	82.0
IV 12000	50.9	76.8	79.7	81.5	82.1	82.2	82.3	82.4	82.4	82.6	82.6	82.6	82.6	82.7	82.7	82.7
IV 10000	51.7	77.9	80.8	82.6	83.2	83.3	83.4	83.5	83.6	83.7	83.7	83.7	83.7	83.8	83.8	83.8
IV 9000	51.9	78.2	81.1	82.9	83.5	83.6	83.7	83.8	83.9	84.0	84.0	84.0	84.0	84.1	84.1	84.1
IV 8000	52.2	78.6	81.3	83.3	83.9	84.0	84.1	84.2	84.3	84.4	84.4	84.4	84.4	84.5	84.5	84.5
IV 7000	52.6	78.9	81.9	83.7	84.3	84.4	84.5	84.6	84.6	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 6000	52.7	79.0	81.9	83.8	84.4	84.5	84.6	84.6	84.7	84.8	84.8	84.8	84.8	84.9	84.9	84.9
IV 5000	52.9	79.2	82.2	84.0	84.6	84.7	84.8	84.9	84.9	85.1	85.1	85.1	85.1	85.2	85.2	85.2
IV 4500	53.0	79.4	82.3	84.1	84.7	84.8	84.9	85.0	85.1	85.2	85.2	85.2	85.2	85.3	85.3	85.3
IV 4000	53.1	79.5	82.4	84.3	84.8	84.9	85.1	85.1	85.2	85.3	85.3	85.3	85.3	85.4	85.4	85.4
IV 3500	53.2	79.7	82.6	84.4	85.0	85.1	85.2	85.3	85.4	85.5	85.5	85.5	85.5	85.6	85.6	85.6
IV 3000	53.6	80.0	82.9	84.8	85.4	85.5	85.6	85.6	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IV 2500	54.3	80.8	83.8	85.6	86.2	86.3	86.4	86.5	86.6	86.7	86.7	86.7	86.7	86.8	86.8	86.8
IV 2000	55.8	82.3	85.2	87.1	87.7	87.8	87.9	87.9	88.0	88.1	88.1	88.1	88.1	88.2	88.2	88.2
IV 1800	58.4	85.0	87.9	89.8	90.4	90.5	90.6	90.6	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IV 1500	59.6	86.3	89.2	91.1	91.7	91.8	91.9	91.9	92.0	92.1	92.1	92.1	92.1	92.2	92.2	92.2
IV 1200	61.1	88.1	91.1	93.0	93.6	93.7	93.8	93.8	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 1000	62.6	90.4	93.6	95.4	96.1	96.2	96.4	96.4	96.5	96.6	96.6	96.6	96.6	96.7	96.7	96.7
IV 900	63.0	91.3	94.5	96.5	97.2	97.4	97.5	97.5	97.6	97.7	97.7	97.7	97.7	97.8	97.8	97.8
IV 800	63.1	91.9	95.2	97.2	97.9	98.1	98.2	98.2	98.3	98.4	98.4	98.4	98.4	98.5	98.5	98.5
IV 700	63.2	92.2	95.5	97.6	98.3	98.5	98.6	98.7	98.8	98.9	98.9	98.9	98.9	99.0	99.0	99.0
IV 600	63.2	92.5	95.8	98.1	98.9	99.1	99.3	99.3	99.4	99.5	99.5	99.5	99.5	99.6	99.6	99.6
IV 500	63.2	92.6	95.9	98.2	99.1	99.3	99.5	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	63.2	92.6	95.9	98.3	99.2	99.4	99.6	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 300	63.2	92.6	95.9	98.3	99.2	99.4	99.6	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 200	63.2	92.6	95.9	98.3	99.2	99.4	99.6	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 100	63.2	92.6	95.9	98.3	99.2	99.4	99.6	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 0	63.2	92.6	95.9	98.3	99.2	99.4	99.6	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2877



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

23211

HAMILTON AFB CALIF/SAN RAFAEL

39-70

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	59.6 64.8	80.0 87.6	81.6 89.3	83.3 91.3	83.6 91.5	83.6 91.5	83.6 91.5	83.6 91.5	83.6 91.5	83.6 91.5	83.6 91.5	83.6 91.5	83.6 91.5	83.6 91.5	83.6 91.5	83.6 91.5
IV 18000 16000	64.9 65.1	87.0 88.0	89.5 89.7	91.4 91.7	91.7 91.9	91.7 91.9	91.8 92.1	91.8 92.1	91.8 92.1	91.9 92.1	91.9 92.1	91.9 92.1	91.9 92.1	91.9 92.1	91.9 92.1	91.9 92.1
IV 14000 12000	65.3 66.2	88.4 89.5	90.1 91.2	92.0 93.2	92.2 93.4	92.2 93.4	92.4 93.6	92.4 93.6	92.4 93.6	92.4 93.6	92.4 93.6	92.4 93.6	92.4 93.6	92.4 93.6	92.4 93.6	92.4 93.6
IV 10000 9000	66.4 66.7	89.9 90.3	91.6 92.0	93.6 94.0	93.8 94.2	93.8 94.2	94.0 94.4	94.0 94.4	94.0 94.4	94.0 94.4	94.0 94.4	94.0 94.4	94.0 94.4	94.0 94.4	94.0 94.4	94.0 94.4
IV 8000 7000	67.1 67.2	90.7 90.9	92.4 92.6	94.4 94.6	94.6 94.8	94.6 94.8	94.8 95.0	94.8 95.0	94.8 95.0	94.8 95.0	94.8 95.0	94.8 95.0	94.8 95.0	94.8 95.0	94.8 95.0	94.8 95.0
IV 6000 5000	67.3 67.6	91.0 91.3	92.7 93.0	94.7 95.0	94.9 95.2	94.9 95.2	95.1 95.3	95.1 95.3	95.1 95.3	95.1 95.3	95.1 95.3	95.1 95.3	95.1 95.3	95.1 95.3	95.1 95.3	95.1 95.3
IV 4500 4000	67.6 67.9	91.3 91.6	93.0 93.2	95.0 95.2	95.2 95.3	95.2 95.3	95.3 95.6	95.3 95.6	95.3 95.6	95.4 95.7	95.4 95.7	95.4 95.7	95.4 95.7	95.4 95.7	95.4 95.7	95.4 95.7
IV 3500 3000	68.2 68.9	91.8 92.6	93.5 94.3	95.5 96.3	95.8 96.5	95.8 96.5	95.9 96.7	95.9 96.7	95.9 96.7	95.9 96.7	95.9 96.7	95.9 96.7	95.9 96.7	95.9 96.7	95.9 96.7	95.9 96.7
IV 2500 2000	69.9 70.8	93.6 94.6	95.3 96.4	97.3 98.3	97.3 98.6	97.3 98.6	97.7 98.7	97.7 98.7	97.7 98.7	97.7 98.7	97.7 98.7	97.7 98.7	97.7 98.7	97.7 98.7	97.7 98.7	97.7 98.7
IV 1800 1500	71.0 71.5	94.9 95.3	96.6 97.0	98.5 99.0	98.8 99.3	98.8 99.3	98.9 99.4	98.9 99.4	98.9 99.4	99.0 99.4	99.0 99.4	99.0 99.4	99.0 99.4	99.0 99.4	99.0 99.4	99.0 99.4
IV 1200 1000	71.6 71.6	95.6 95.6	97.3 97.4	99.4 99.4	99.7 99.7	99.7 99.7	99.8 99.8	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9
IV 900 800	71.6 71.7	95.6 95.7	97.4 97.4	99.4 99.5	99.7 99.8	99.7 99.8	99.8 99.9	99.8 100.0	99.8 100.0	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0
IV 700 600	71.7 71.7	95.7 95.7	97.4 97.4	99.5 99.5	99.8 99.8	99.8 99.8	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 500 400	71.7 71.7	95.7 95.7	97.4 97.4	99.5 99.5	99.8 99.8	99.8 99.8	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 300 200	71.7 71.7	95.7 95.7	97.4 97.4	99.5 99.5	99.8 99.8	99.8 99.8	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 100 0	71.7 71.7	95.7 95.7	97.4 97.4	99.5 99.5	99.8 99.8	99.8 99.8	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 2877



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

23211 HAMILTON AFB CALIF/SAN RAFAEL

39-70

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	72.1	85.1	85.4	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 20000	77.7	92.5	92.9	93.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 18000	77.9	92.8	93.2	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 16000	78.2	93.1	93.5	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 14000	78.8	93.8	94.2	94.6	94.7	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 12000	79.5	94.7	95.2	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 10000	79.8	95.2	95.6	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 9000	80.1	95.4	95.9	96.3	96.4	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 8000	80.4	95.9	96.4	96.8	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 7000	80.5	96.1	96.6	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 6000	80.7	96.2	96.7	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 5000	81.1	96.6	97.1	97.5	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 4500	81.2	96.7	97.2	97.6	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 4000	81.2	96.8	97.3	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 3500	81.4	97.0	97.5	97.9	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 3000	81.7	97.3	97.7	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 2500	82.0	97.7	98.2	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 2000	82.7	98.5	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 1800	82.9	98.7	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1500	82.9	98.7	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1200	83.1	98.9	99.4	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	83.2	99.0	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	83.2	99.0	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	83.2	99.0	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	83.2	99.0	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	83.2	99.0	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	83.2	99.0	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	83.2	99.0	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	83.2	99.0	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	83.2	99.0	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	83.2	99.0	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	83.2	99.0	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

2873

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	76.5 81.1	85.8 91.7	86.2 92.1	86.3 92.2	86.3 92.3	86.4 92.5	86.4 92.5	86.4 92.5	86.4 92.5	86.4 92.5	86.4 92.5	86.4 92.5	86.4 92.5	86.4 92.5	86.4 92.5	86.4 92.5
IV 18000 IV 16000	81.2 81.5	91.8 92.4	92.2 92.9	92.5 93.0	92.4 93.1	92.6 93.3	92.6 93.3	92.6 93.3	92.6 93.3	92.6 93.3	92.6 93.3	92.6 93.3	92.6 93.3	92.6 93.3	92.6 93.3	92.6 93.3
IV 14000 IV 12000	82.1 83.0	93.1 94.0	93.6 94.5	93.8 94.7	93.9 94.7	94.1 94.9	94.1 95.0	94.1 95.0	94.1 95.0	94.1 95.0	94.1 95.0	94.2 95.0	94.2 95.0	94.2 95.0	94.2 95.0	94.2 95.0
IV 10000 IV 9000	83.2 83.3	94.4 94.5	94.9 95.0	95.1 95.2	95.2 95.3	95.3 95.4	95.4 95.5	95.4 95.5	95.4 95.5	95.4 95.5	95.4 95.5	95.4 95.5	95.4 95.5	95.4 95.5	95.4 95.5	95.4 95.5
IV 8000 IV 7000	83.8 84.1	95.1 95.4	95.5 95.9	95.8 96.1	95.8 96.1	96.0 96.3	96.1 96.4	96.1 96.4	96.1 96.4	96.1 96.4	96.1 96.4	96.1 96.4	96.1 96.4	96.1 96.4	96.1 96.4	96.1 96.4
IV 6000 IV 5000	84.3 84.5	95.6 95.9	96.1 96.3	96.3 96.6	96.3 96.6	96.5 96.8	96.6 96.8	96.6 96.8	96.6 96.8	96.6 96.8	96.6 96.8	96.6 96.8	96.6 96.8	96.6 96.8	96.6 96.8	96.6 96.8
IV 4500 IV 4000	84.5 84.7	95.9 96.0	96.3 96.5	96.6 96.7	96.6 96.8	96.8 96.9	96.8 97.0	96.8 97.0	96.8 97.0	96.8 97.0	96.8 97.0	96.8 97.0	96.8 97.0	96.8 97.0	96.8 97.0	96.8 97.0
IV 3500 IV 3000	84.9 85.3	96.3 96.6	96.7 97.0	97.0 97.3	97.0 97.3	97.2 97.5	97.3 97.6	97.3 97.6	97.3 97.6	97.3 97.6	97.3 97.6	97.3 97.6	97.3 97.6	97.3 97.6	97.3 97.6	97.3 97.6
IV 2500 IV 2000	85.4 85.9	96.8 97.5	97.3 97.9	97.5 98.2	97.5 98.2	97.7 98.4	97.8 98.5	97.8 98.5	97.8 98.5	97.8 98.5	97.8 98.5	97.8 98.5	97.8 98.5	97.8 98.5	97.8 98.5	97.8 98.5
IV 1800 IV 1500	86.1 86.7	97.6 98.3	98.1 98.9	98.3 99.1	98.4 99.2	98.5 99.3	98.6 99.4	98.6 99.4	98.6 99.4	98.6 99.4	98.6 99.4	98.6 99.4	98.6 99.4	98.6 99.4	98.6 99.4	98.6 99.4
IV 1200 IV 1000	87.0 87.2	98.7 98.9	99.3 99.4	99.5 99.7	99.5 99.7	99.7 99.9	99.8 100.0	99.8 100.0	99.8 100.0	99.8 100.0	99.8 100.0	99.8 100.0	99.8 100.0	99.8 100.0	99.8 100.0	99.8 100.0
IV 900 IV 800	87.2 87.2	98.9 98.9	99.4 99.4	99.7 99.7	99.7 99.7	99.9 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 700 IV 600	87.2 87.2	98.9 98.9	99.4 99.4	99.7 99.7	99.7 99.7	99.9 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 500 IV 400	87.2 87.2	98.9 98.9	99.4 99.4	99.7 99.7	99.7 99.7	99.9 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 300 IV 200	87.2 87.2	98.9 98.9	99.4 99.4	99.7 99.7	99.7 99.7	99.9 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 100 IV 0	87.2 87.2	98.9 98.9	99.4 99.4	99.7 99.7	99.7 99.7	99.9 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 2875

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS LTST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥¾	≥5/16	≥¼	≥0
NO CEILING	76.9	85.8	86.2	86.2	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 20000	80.3	90.1	90.5	90.6	90.7	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 18000	80.5	90.3	90.8	90.8	90.9	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IV 16000	80.9	90.7	91.3	91.3	91.4	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 14000	81.4	91.4	91.8	91.9	92.0	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 12000	82.1	92.1	92.5	92.5	92.6	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 10000	82.2	92.3	92.7	92.7	92.8	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 9000	82.2	92.3	92.7	92.8	92.9	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 8000	82.4	92.5	92.9	92.9	93.0	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 7000	82.5	92.6	93.0	93.1	93.2	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 6000	82.7	92.8	93.2	93.2	93.3	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 5000	82.9	93.0	93.4	93.4	93.5	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 4500	82.9	93.0	93.5	93.5	93.6	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 4000	83.0	93.1	93.5	93.6	93.7	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 3500	83.1	93.3	93.7	93.7	93.8	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 3000	83.4	93.6	94.0	94.0	94.1	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 2500	83.9	94.1	94.5	94.5	94.6	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 2000	84.8	95.2	95.6	95.6	95.7	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 1800	85.3	95.7	96.1	96.1	96.2	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 1500	86.6	97.1	97.5	97.6	97.7	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 1200	87.8	98.3	98.8	98.8	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 1000	88.1	98.7	99.2	99.2	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 900	88.2	98.8	99.3	99.3	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 800	88.3	98.9	99.4	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 700	88.3	99.0	99.5	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	88.4	99.0	99.5	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	88.4	99.0	99.5	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	88.4	99.0	99.5	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	88.4	99.0	99.5	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	88.4	99.0	99.5	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	88.4	99.0	99.5	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	88.4	99.0	99.5	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2876

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

OCT  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	59.3	67.4	68.7	69.5	70.3	70.3	71.0	71.1	71.1	71.4	71.5	71.5	71.9	71.9	72.3	72.4
≥ 20000	61.7	70.7	72.1	72.9	73.7	73.9	74.7	74.9	74.9	75.3	75.4	75.4	75.8	75.8	76.2	76.3
IV 18000	61.7	70.8	72.2	73.0	73.7	74.0	74.8	74.9	75.0	75.4	75.4	75.4	75.8	75.9	76.3	76.4
IV 16000	62.1	71.2	72.6	73.4	74.1	74.4	75.2	75.3	75.4	75.8	75.8	75.8	76.2	76.3	76.7	76.8
IV 14000	62.5	71.7	73.1	73.9	74.7	74.9	75.7	75.9	75.9	76.3	76.4	76.4	76.8	76.8	77.2	77.3
IV 12000	63.8	73.1	74.5	75.3	76.0	76.3	77.1	77.3	77.3	77.7	77.8	77.8	78.2	78.2	78.6	78.7
IV 10000	64.2	73.8	75.3	76.0	76.8	77.0	77.9	78.0	78.1	78.5	78.5	78.5	78.9	79.0	79.4	79.5
IV 9000	64.4	73.9	75.4	76.2	77.0	77.2	78.0	78.2	78.2	78.6	78.7	78.7	79.1	79.1	79.5	79.6
IV 8000	65.0	74.5	76.0	76.8	77.6	77.8	78.6	78.8	78.8	79.2	79.3	79.3	79.7	79.7	80.1	80.2
IV 7000	65.1	74.7	76.2	77.0	77.8	78.0	78.8	79.0	79.0	79.4	79.5	79.5	79.9	79.9	80.3	80.4
IV 6000	65.3	74.9	76.5	77.3	78.1	78.3	79.1	79.3	79.3	79.7	79.8	79.8	80.2	80.2	80.6	80.7
IV 5000	65.4	75.1	76.7	77.6	78.4	78.6	79.4	79.6	79.6	80.0	80.1	80.1	80.5	80.5	80.9	81.0
IV 4500	65.7	75.3	77.0	77.8	78.7	78.9	79.7	79.9	79.9	80.3	80.4	80.4	80.8	80.8	81.2	81.3
IV 4000	66.1	75.8	77.5	78.3	79.2	79.4	80.2	80.4	80.4	80.8	80.9	80.9	81.3	81.4	81.8	81.9
IV 3500	66.4	76.1	77.8	78.6	79.5	79.7	80.5	80.7	80.7	81.1	81.2	81.2	81.6	81.7	82.1	82.2
IV 3000	67.2	77.1	78.8	79.6	80.5	80.7	81.6	81.7	81.8	82.2	82.2	82.2	82.6	82.7	83.1	83.2
IV 2500	68.3	78.4	80.0	80.9	81.9	82.1	82.9	83.1	83.1	83.5	83.6	83.6	84.0	84.0	84.4	84.5
IV 2000	69.7	80.1	81.8	82.7	83.8	84.1	85.0	85.1	85.2	85.6	85.7	85.7	86.1	86.1	86.5	86.6
IV 1800	70.8	81.3	83.0	84.0	85.1	85.3	86.2	86.4	86.4	86.8	86.9	86.9	87.3	87.3	87.7	87.8
IV 1500	72.5	83.4	85.2	86.2	87.3	87.5	88.4	88.7	88.7	89.1	89.2	89.2	89.6	89.6	90.0	90.1
IV 1200	73.9	85.4	87.3	88.3	89.5	89.8	90.7	91.0	91.0	91.4	91.5	91.5	91.9	91.9	92.3	92.4
IV 1000	74.7	86.5	88.4	89.5	90.9	91.2	92.1	92.3	92.4	92.8	92.8	92.8	93.2	93.3	93.7	93.8
IV 900	74.9	86.9	88.9	90.0	91.3	91.6	92.5	92.8	92.8	93.2	93.3	93.3	93.7	93.8	94.2	94.3
IV 800	75.3	87.6	89.6	90.8	92.2	92.5	93.4	93.6	93.7	94.1	94.2	94.2	94.6	94.6	95.0	95.1
IV 700	75.5	88.0	90.0	91.3	92.8	93.1	94.1	94.3	94.3	94.7	94.8	94.8	95.2	95.3	95.7	95.8
IV 600	75.6	88.3	90.4	91.8	93.5	93.8	94.7	95.0	95.0	95.4	95.5	95.5	95.9	96.0	96.4	96.5
IV 500	75.7	88.6	90.8	92.3	94.2	94.4	95.4	95.7	95.7	96.1	96.2	96.2	96.6	96.7	97.1	97.2
IV 400	75.8	88.7	90.9	92.5	94.4	94.6	95.7	95.9	95.9	96.4	96.5	96.5	96.9	96.9	97.3	97.4
IV 300	75.9	88.9	91.1	92.8	94.9	95.2	96.3	96.5	96.5	97.0	97.1	97.1	97.5	97.5	98.0	98.1
IV 200	75.9	88.9	91.1	92.8	94.9	95.3	96.3	96.6	96.6	97.1	97.2	97.2	97.6	97.6	98.1	98.2
IV 100	75.9	88.9	91.1	92.8	94.9	95.3	96.3	96.6	96.6	97.1	97.2	97.2	97.7	97.8	98.3	98.4
IV 0	75.9	88.9	91.1	92.8	94.9	95.3	96.3	96.6	96.6	97.1	97.2	97.2	97.7	97.8	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 2976

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

1 OCT  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	52.7	60.1	61.5	62.3	63.6	63.7	64.2	64.6	64.7	65.6	65.8	65.9	66.2	66.3	67.0	67.8
≥ 20000	54.5	62.6	64.1	65.0	66.3	66.7	67.3	67.7	67.7	68.8	69.0	69.0	69.4	69.5	70.1	70.9
IV 18000	54.6	62.7	64.2	65.1	66.5	66.8	67.4	67.8	67.9	68.9	69.1	69.1	69.5	69.6	70.3	71.1
IV 16000	54.8	63.0	64.6	65.4	66.8	67.1	67.7	68.1	68.2	69.2	69.4	69.5	69.8	70.0	70.6	71.4
IV 14000	55.4	63.8	65.4	66.2	67.6	67.9	68.5	68.9	69.0	70.0	70.2	70.2	70.6	70.7	71.4	72.2
IV 12000	56.6	65.2	66.7	67.6	69.0	69.3	69.9	70.3	70.4	71.4	71.6	71.6	72.0	72.1	72.8	73.6
IV 10000	57.1	65.8	67.3	68.2	69.6	69.9	70.5	70.9	71.0	72.0	72.2	72.2	72.6	72.7	73.4	74.2
IV 9000	57.2	65.9	67.5	68.3	69.7	70.0	70.6	71.0	71.1	72.1	72.3	72.4	72.7	72.9	73.5	74.3
IV 8000	57.4	66.1	67.7	68.5	69.9	70.2	70.8	71.2	71.3	72.3	72.5	72.6	72.9	73.1	73.7	74.5
IV 7000	57.8	66.5	68.0	68.9	70.2	70.6	71.2	71.6	71.6	72.7	72.9	72.9	73.3	73.4	74.0	74.8
IV 6000	58.1	66.9	68.4	69.3	70.6	71.0	71.6	72.0	72.0	73.1	73.3	73.3	73.7	73.8	74.4	75.2
IV 5000	58.5	67.3	68.9	69.8	71.2	71.6	72.2	72.6	72.7	73.7	73.9	73.9	74.3	74.4	75.0	75.8
IV 4500	58.7	67.3	69.2	70.0	71.5	71.8	72.4	72.8	72.9	73.9	74.1	74.1	74.5	74.6	75.3	76.1
IV 4000	59.2	68.1	69.7	70.6	72.0	72.4	73.0	73.4	73.5	74.5	74.7	74.7	75.1	75.2	75.8	76.7
IV 3500	59.4	68.3	69.9	70.8	72.3	72.6	73.2	73.6	73.7	74.7	74.9	74.9	75.3	75.4	76.1	76.9
IV 3000	60.3	69.4	71.0	71.8	73.3	73.7	74.3	74.7	74.7	75.7	76.0	76.0	76.4	76.5	77.1	77.9
IV 2500	61.3	70.4	72.1	73.0	74.4	74.8	75.4	75.8	75.9	76.9	77.1	77.1	77.5	77.6	78.3	79.1
IV 2000	63.1	72.6	74.3	75.2	76.7	77.1	77.7	78.1	78.2	79.2	79.4	79.5	79.9	80.0	80.6	81.5
IV 1800	63.8	73.6	75.3	76.2	77.8	78.2	78.8	79.2	79.3	80.3	80.5	80.6	80.9	81.1	81.7	82.5
IV 1500	65.6	75.4	77.2	78.1	79.9	80.3	81.0	81.5	81.5	82.6	82.8	82.8	83.2	83.3	84.0	84.8
IV 1200	67.4	77.9	79.8	80.8	82.5	82.9	83.7	84.3	84.3	85.4	85.6	85.6	86.0	86.1	86.7	87.6
IV 1000	68.3	79.5	81.8	82.7	84.6	85.0	85.8	86.3	86.4	87.5	87.7	87.7	88.1	88.2	88.8	89.7
IV 900	68.7	80.1	82.5	83.6	85.3	85.9	86.7	87.3	87.3	88.4	88.6	88.6	89.0	89.1	89.7	90.6
IV 800	69.3	81.1	83.6	84.8	86.9	87.3	88.1	88.6	88.7	89.7	89.9	89.9	90.3	90.4	91.1	91.9
IV 700	69.8	81.8	84.4	85.6	87.7	88.2	89.0	89.5	89.6	90.6	90.9	90.9	91.3	91.4	92.1	92.9
IV 600	70.0	82.5	85.1	86.4	88.5	89.1	89.9	90.4	90.5	91.6	91.8	91.8	92.2	92.4	93.0	93.8
IV 500	70.2	82.8	85.5	86.7	89.1	89.7	90.5	91.1	91.2	92.3	92.5	92.5	92.9	93.0	93.7	94.5
IV 400	70.4	82.9	85.7	87.1	89.6	90.3	91.3	91.9	92.0	93.0	93.2	93.3	93.7	93.8	94.5	95.3
IV 300	70.4	83.1	85.9	87.6	90.2	91.0	92.1	92.8	92.9	94.0	94.2	94.3	94.7	94.9	95.5	96.3
IV 200	70.4	83.1	85.9	87.7	90.4	91.2	92.5	93.2	93.3	94.6	94.9	94.9	95.4	95.5	96.2	97.0
IV 100	70.4	83.1	85.9	87.7	90.4	91.2	92.5	93.3	93.4	94.8	95.2	95.3	96.0	96.1	96.9	97.8
IV 0	70.4	83.1	85.9	87.7	90.4	91.2	92.5	93.3	93.4	94.8	95.3	95.3	96.2	96.3	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS 2973



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

23211 HAMILTON AFB CALIF/SAN RAFAEL

39-70

ACT

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	39.9	51.0	52.6	53.5	54.6	54.6	55.2	55.3	55.3	56.2	56.4	56.4	56.9	57.0	57.6	58.8
≥ 20000	42.9	54.9	56.6	58.0	59.2	59.3	60.0	60.2	60.2	61.2	61.5	61.5	62.1	62.2	62.9	64.1
≥ 18000	43.1	55.1	56.9	58.3	59.4	59.6	60.3	60.5	60.5	61.4	61.8	61.8	62.3	62.5	63.1	64.3
IV 16000	43.2	55.3	57.0	58.5	59.6	59.8	60.5	60.7	60.7	61.6	62.0	62.0	62.5	62.7	63.3	64.5
IV 14000	44.2	56.8	58.5	59.9	61.2	61.4	62.1	62.2	62.2	63.2	63.5	63.5	64.1	64.3	65.0	66.2
IV 12000	45.6	58.6	60.4	62.0	63.2	63.4	64.1	64.3	64.3	65.3	65.7	65.7	66.3	66.4	67.1	68.3
IV 10000	46.1	59.3	61.2	62.8	64.1	64.3	65.1	65.3	65.3	66.2	66.6	66.6	67.2	67.4	68.0	69.3
IV 9000	46.2	59.4	61.4	63.0	64.3	64.3	65.3	65.5	65.5	66.4	66.8	66.8	67.4	67.5	68.2	69.4
IV 8000	46.7	60.1	62.1	63.7	65.1	65.3	66.0	66.2	66.2	67.1	67.5	67.5	68.1	68.3	69.0	70.2
IV 7000	47.0	60.4	62.4	64.0	65.4	65.6	66.3	66.5	66.5	67.5	67.8	67.8	68.5	68.6	69.3	70.5
IV 6000	47.2	60.7	62.7	64.3	65.7	65.9	66.7	66.7	66.9	67.8	68.2	68.2	68.9	69.0	69.7	70.9
IV 5000	47.7	61.2	63.2	65.0	66.4	66.6	67.4	67.6	67.6	68.5	68.9	68.9	69.6	69.7	70.4	71.6
IV 4500	48.1	61.6	63.6	65.4	66.8	67.0	67.8	68.0	68.0	68.9	69.3	69.3	70.0	70.1	70.8	72.0
IV 4000	48.4	62.2	64.2	66.0	67.4	67.6	68.4	68.6	68.6	69.5	69.9	69.9	70.6	70.7	71.4	72.6
IV 3500	48.7	62.5	64.5	66.3	67.8	68.0	68.8	69.0	69.0	69.9	70.3	70.3	71.0	71.1	71.8	73.1
IV 3000	49.6	63.6	65.7	67.5	69.0	69.2	69.9	70.2	70.2	71.1	71.5	71.5	72.2	72.3	73.1	74.3
IV 2500	50.2	64.7	66.9	68.7	70.2	70.4	71.2	71.4	71.4	72.4	72.8	72.8	73.5	73.6	74.3	75.6
IV 2000	51.5	66.4	68.5	70.4	72.0	72.2	73.0	73.3	73.3	74.2	74.6	74.6	75.3	75.4	76.1	77.4
IV 1800	52.1	67.2	69.5	71.4	73.0	73.3	74.0	74.3	74.3	75.2	75.6	75.6	76.3	76.4	77.2	78.4
IV 1500	53.6	69.3	71.7	73.7	75.6	75.8	76.6	76.9	76.9	77.9	78.3	78.3	79.0	79.1	79.8	81.1
IV 1200	54.6	71.5	74.0	76.0	78.0	78.2	79.1	79.4	79.4	80.4	80.8	80.8	81.5	81.7	82.4	83.6
IV 1000	55.4	72.8	75.5	77.8	79.9	80.3	81.3	81.7	81.8	82.8	83.2	83.2	83.9	84.0	84.7	86.0
IV 900	55.7	73.7	76.5	79.1	81.3	81.7	82.7	83.2	83.2	84.2	84.6	84.6	85.3	85.5	86.2	87.4
IV 800	55.9	74.5	77.5	80.3	82.3	83.0	84.1	84.6	84.7	85.7	86.1	86.1	86.8	86.9	87.6	88.8
IV 700	56.1	75.0	78.2	81.2	83.5	83.9	85.2	85.7	85.8	86.8	87.2	87.2	87.9	88.0	88.7	90.0
IV 600	56.1	75.6	78.9	82.0	84.4	84.9	86.3	86.9	87.0	88.1	88.5	88.5	89.2	89.3	90.1	91.3
IV 500	56.2	76.0	79.4	82.6	85.2	85.8	87.4	88.0	88.1	89.2	89.7	89.7	90.4	90.6	91.3	92.5
IV 400	56.3	76.1	79.5	82.9	85.6	86.3	88.0	88.7	88.9	90.1	90.5	90.5	91.4	91.6	92.3	93.6
IV 300	56.3	76.2	79.6	83.0	86.0	86.8	88.5	89.3	89.5	90.9	91.3	91.4	92.3	92.7	93.5	94.8
IV 200	56.3	76.2	79.6	83.1	86.2	87.0	88.7	89.6	89.8	91.5	92.1	92.1	93.3	93.8	94.9	96.3
IV 100	56.3	76.2	79.6	83.1	86.2	87.0	88.8	89.8	90.0	91.8	92.4	92.4	94.0	94.4	95.6	97.4
IV 0	56.3	76.2	79.6	83.1	86.2	87.0	88.8	89.8	90.0	91.8	92.4	92.5	94.1	94.6	96.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2976

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

01  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	38.7	34.8	58.0	60.2	61.6	61.7	62.1	62.2	62.2	62.4	62.4	62.4	62.5	62.5	62.5	62.5
IV 20000	63.1	61.5	65.1	67.7	69.2	69.3	69.9	70.0	70.1	70.3	70.4	70.4	70.5	70.5	70.5	70.5
IV 18000	43.2	61.7	65.4	68.0	69.4	69.6	70.1	70.3	70.3	70.6	70.7	70.7	70.7	70.7	70.7	70.7
IV 16000	43.3	62.0	65.7	68.3	69.8	69.9	70.4	70.6	70.6	70.9	71.0	71.0	71.1	71.1	71.1	71.1
IV 14000	44.3	63.5	67.2	69.9	71.4	71.5	72.1	72.2	72.3	72.5	72.6	72.6	72.7	72.7	72.7	72.7
IV 12000	45.7	65.4	69.1	72.0	73.4	73.6	74.1	74.3	74.3	74.6	74.7	74.7	74.7	74.7	74.7	74.7
IV 10000	46.3	66.2	70.0	73.0	74.5	74.6	75.2	75.4	75.4	75.7	75.8	75.8	75.8	75.8	75.8	75.8
IV 9000	46.5	66.6	70.5	73.4	74.9	75.1	75.6	75.8	75.8	76.1	76.2	76.2	76.3	76.3	76.3	76.3
IV 8000	46.7	66.9	70.8	73.8	75.3	75.5	76.0	76.2	76.2	76.5	76.6	76.6	76.7	76.7	76.7	76.7
IV 7000	46.9	67.2	71.1	74.1	75.6	75.8	76.3	76.5	76.5	76.8	76.9	76.9	77.0	77.0	77.0	77.0
IV 6000	47.1	67.6	71.5	74.5	76.0	76.2	76.7	76.9	76.9	77.2	77.3	77.3	77.4	77.4	77.4	77.4
IV 5000	47.7	68.2	72.2	75.3	76.8	76.9	77.5	77.6	77.7	77.9	78.0	78.0	78.1	78.1	78.1	78.1
IV 4500	47.8	68.4	72.4	75.5	77.0	77.1	77.7	77.8	77.9	78.1	78.2	78.2	78.3	78.3	78.3	78.3
IV 4000	48.1	68.9	73.1	76.2	77.7	77.8	78.4	78.6	78.6	78.9	79.0	79.0	79.1	79.1	79.1	79.1
IV 3500	48.6	69.5	73.7	76.8	78.4	78.5	79.2	79.4	79.4	79.7	79.8	79.8	79.8	79.8	79.8	79.8
IV 3000	49.6	70.8	75.1	78.2	79.9	80.0	80.7	80.8	80.9	81.1	81.2	81.2	81.3	81.3	81.3	81.3
IV 2500	50.9	72.5	76.8	80.1	81.8	81.9	82.6	82.8	82.8	83.1	83.2	83.2	83.2	83.2	83.2	83.2
IV 2000	52.5	75.0	79.4	83.0	84.7	84.9	85.6	85.8	85.9	86.1	86.2	86.2	86.3	86.3	86.3	86.3
IV 1800	53.3	76.1	80.6	84.2	86.1	86.3	86.9	87.1	87.2	87.4	87.5	87.5	87.6	87.6	87.6	87.6
IV 1500	54.3	77.9	82.6	86.3	88.2	88.4	89.1	89.4	89.4	89.7	89.8	89.8	89.9	89.9	89.9	89.9
IV 1200	55.1	79.9	84.6	88.6	90.6	90.8	91.5	91.8	91.8	92.2	92.3	92.3	92.3	92.3	92.3	92.3
IV 1000	55.4	80.9	85.9	90.1	92.1	92.3	93.0	93.4	93.4	93.8	93.9	93.9	94.0	94.0	94.0	94.0
IV 900	55.6	81.2	86.2	90.5	92.6	92.9	93.7	94.1	94.2	94.6	94.7	94.7	94.7	94.7	94.7	94.7
IV 800	55.6	81.7	86.9	91.4	93.5	93.8	94.7	95.2	95.2	95.6	95.7	95.7	95.8	95.8	95.8	95.8
IV 700	55.7	82.0	87.3	91.9	94.1	94.4	95.3	95.8	95.9	96.3	96.4	96.4	96.5	96.5	96.5	96.5
IV 600	55.7	82.1	87.3	92.3	94.6	94.9	95.9	96.5	96.5	97.0	97.1	97.1	97.2	97.2	97.2	97.2
IV 500	55.7	82.2	87.7	92.6	95.1	95.6	96.6	97.2	97.3	97.9	98.0	98.0	98.1	98.1	98.1	98.1
IV 400	55.7	82.2	87.7	92.7	95.3	95.7	96.9	97.6	97.7	98.4	98.5	98.5	98.6	98.6	98.7	98.7
IV 300	55.7	82.2	87.7	92.7	95.3	95.7	96.9	97.7	97.8	98.6	98.9	98.9	99.0	99.0	99.1	99.1
IV 200	55.7	82.2	87.7	92.7	95.3	95.7	96.9	97.8	97.8	98.8	99.0	99.0	99.2	99.2	99.3	99.4
IV 100	55.7	82.2	87.7	92.7	95.3	95.7	96.9	97.8	97.9	98.8	99.1	99.1	99.4	99.4	99.6	99.7
IV 0	55.7	82.2	87.7	92.7	95.3	95.7	96.9	97.8	97.9	98.8	99.1	99.1	99.4	99.4	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 2970

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

## CEILING VERSUS VISIBILITY

23211  
STATION

HAMILTON AFB CALIF/SON RAFAEL  
STATION NAME

39-70  
YEARS

OCT  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	47.4 53.2	62.0 71.0	66.0 74.8	68.8 78.0	69.8 79.2	69.9 79.3	70.1 79.3	70.1 79.6	70.1 79.6	70.2 79.7	70.2 79.7	70.2 79.7	70.2 79.7	70.2 79.7	70.2 79.7	70.2 79.7
IV 18000	53.5	71.5	75.4	78.5	79.7	79.8	80.1	80.2	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.3
IV 16000	53.8	72.0	75.9	79.0	80.2	80.3	80.6	80.7	80.7	80.7	80.8	80.8	80.8	80.8	80.8	80.8
IV 14000	54.6	73.2	77.1	80.2	81.5	81.6	81.8	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 12000	55.5	74.5	78.5	81.7	82.9	83.0	83.3	83.4	83.4	83.4	83.5	83.5	83.5	83.5	83.5	83.5
IV 10000	56.1	75.3	79.6	82.9	84.1	84.2	84.5	84.6	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7
IV 9000	56.3	75.5	79.8	83.1	84.3	84.4	84.7	84.8	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9
IV 8000	56.5	75.8	80.0	83.4	84.6	84.7	85.0	85.1	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2
IV 7000	56.9	76.1	80.4	83.8	85.0	85.1	85.4	85.5	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.6
IV 6000	57.2	76.5	80.7	84.1	85.3	85.5	85.8	85.9	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0
IV 5000	57.5	77.0	81.3	84.7	86.1	86.2	86.5	86.6	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7
IV 4500	57.6	77.2	81.6	84.9	86.3	86.5	86.8	86.9	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0
IV 4000	58.1	77.9	82.4	85.8	87.2	87.3	87.6	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8
IV 3500	58.9	78.9	83.5	86.9	88.3	88.5	88.8	88.9	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0
IV 3000	59.8	80.1	84.7	88.1	89.6	89.8	90.1	90.2	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3
IV 2500	61.5	82.4	87.1	90.5	92.1	92.2	92.5	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 2000	63.3	84.9	89.8	93.3	94.9	95.1	95.4	95.5	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7
IV 1800	63.5	85.5	90.3	94.0	95.6	95.7	96.0	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 1500	63.9	86.4	91.4	95.1	96.8	96.9	97.2	97.4	97.4	97.5	97.7	97.7	97.7	97.7	97.7	97.7
IV 1200	64.3	87.3	92.3	96.2	98.0	98.1	98.5	98.7	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9
IV 1000	64.4	87.3	92.4	96.3	98.2	98.3	98.7	98.9	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2
IV 900	64.4	87.3	92.4	96.3	98.2	98.3	98.7	98.9	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3
IV 800	64.4	87.4	92.4	96.4	98.4	98.5	99.0	99.2	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5
IV 700	64.4	87.4	92.4	96.4	98.4	98.5	99.0	99.2	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6
IV 600	64.4	87.4	92.4	96.4	98.4	98.6	99.1	99.3	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	64.4	87.4	92.5	96.5	98.4	98.6	99.1	99.4	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	64.4	87.4	92.5	96.5	98.4	98.6	99.1	99.4	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	64.4	87.4	92.5	96.5	98.4	98.6	99.1	99.4	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	64.4	87.4	92.5	96.5	98.4	98.6	99.2	99.4	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	64.4	87.4	92.5	96.5	98.4	98.6	99.2	99.4	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	64.4	87.4	92.5	96.5	98.4	98.6	99.2	99.4	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

2976

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

## CEILING VERSUS VISIBILITY

23211 HAMILTON AFB CALIF/SAN RAFAEL

39-70

UCT

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	58.2	70.8	71.9	72.8	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 18000	65.1	79.9	81.3	82.6	83.2	83.2	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
IV 16000	66.1	80.9	82.3	83.6	84.3	84.3	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 14000	67.0	82.0	83.4	84.8	85.5	85.5	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 12000	68.3	83.3	84.8	86.2	86.9	86.9	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 10000	69.3	84.4	85.9	87.3	88.1	88.1	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 9000	69.4	84.6	86.0	87.5	88.2	88.2	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 8000	69.7	85.0	86.4	87.9	88.6	88.6	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 7000	70.1	85.5	86.9	88.4	89.2	89.2	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 6000	70.5	85.9	87.4	88.9	89.6	89.6	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
IV 5000	71.0	86.5	88.0	89.5	90.3	90.3	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 4500	71.3	86.8	88.4	89.9	90.7	90.7	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 4000	71.7	87.5	89.2	90.7	91.5	91.5	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 3500	72.1	88.0	89.7	91.3	92.1	92.1	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 3000	72.9	89.0	90.7	92.4	93.2	93.2	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 2500	74.0	90.3	92.1	93.7	94.6	94.6	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 2000	75.3	92.3	94.1	95.8	96.7	96.7	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 1800	75.4	92.6	94.3	96.1	97.0	97.0	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 1500	75.7	93.1	94.9	96.7	97.6	97.7	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 1200	76.1	93.5	95.3	97.2	98.2	98.3	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 1000	76.1	93.8	95.7	97.6	98.7	98.8	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 900	76.2	93.9	95.8	97.7	98.9	99.0	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 800	76.2	93.9	95.8	97.9	99.0	99.1	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 700	76.2	93.9	95.8	97.9	99.1	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	76.2	93.9	95.8	97.9	99.1	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	76.2	93.9	95.8	97.9	99.1	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	76.2	93.9	95.8	97.9	99.1	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	76.2	93.9	95.8	97.9	99.1	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	76.2	93.9	95.8	97.9	99.1	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	76.2	93.9	95.8	97.9	99.1	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	76.2	93.9	95.8	97.9	99.1	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2971

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

OCT  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	66.3	76.1	77.5	78.5	79.0	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 20000	70.4	81.6	83.1	84.3	84.8	85.0	85.1	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 18000	70.7	81.9	83.4	84.6	85.1	85.3	85.4	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 16000	71.0	82.4	83.9	85.1	85.6	85.7	85.8	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 14000	71.8	83.2	84.7	85.9	86.5	86.6	86.7	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 12000	73.1	84.5	86.1	87.3	87.8	88.0	88.1	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 10000	74.2	85.6	87.4	88.6	89.2	89.3	89.4	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 9000	74.2	85.7	87.4	88.6	89.3	89.4	89.5	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 8000	74.5	86.1	87.8	89.0	89.6	89.8	89.9	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 7000	74.9	86.5	88.2	89.4	90.1	90.2	90.3	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
IV 6000	75.2	87.0	88.7	89.9	90.6	90.7	90.8	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 5000	75.7	87.6	89.3	90.5	91.2	91.3	91.4	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 4500	76.2	88.1	89.8	91.0	91.7	91.8	91.9	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
IV 4000	76.3	88.3	90.0	91.3	91.9	92.0	92.1	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 3500	76.7	88.7	90.4	91.7	92.3	92.4	92.5	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 3000	77.2	89.3	91.1	92.3	93.0	93.1	93.2	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 2500	77.7	89.9	91.7	92.9	93.6	93.7	93.9	94.0	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 2000	78.7	91.5	93.4	94.7	95.3	95.5	95.6	95.7	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 1800	78.9	91.9	93.8	95.2	95.9	96.1	96.2	96.3	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 1500	79.3	92.4	94.4	95.7	96.5	96.6	96.8	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 1200	79.8	93.1	95.2	96.5	97.5	97.7	98.0	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 1000	79.9	93.4	95.5	96.8	97.9	98.1	98.5	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 900	80.0	93.5	95.6	97.0	98.2	98.5	98.9	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 800	80.1	93.6	95.8	97.2	98.5	98.7	99.1	99.3	99.4	99.7	99.5	99.5	99.5	99.5	99.5	99.5
IV 700	80.1	93.7	95.9	97.4	98.7	98.9	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	80.1	93.7	95.9	97.4	98.7	98.9	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	80.1	93.7	95.9	97.5	98.7	99.0	99.4	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	80.1	93.7	95.9	97.5	98.7	99.0	99.5	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	80.1	93.7	95.9	97.5	98.7	99.0	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	80.1	93.7	95.9	97.5	98.7	99.0	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	80.1	93.7	95.9	97.5	98.7	99.0	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	80.1	93.7	95.9	97.5	98.7	99.0	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

2975

USAF ETAC

FORM  
A14-5

0-14-5 (OL 1)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

U.C.T.  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING IV 20000	65.6 68.6	74.9 78.9	76.2 80.2	77.0 81.0	77.6 81.7	77.8 82.0	78.0 82.2	78.1 82.3	78.1 82.4	78.2 82.5	78.2 82.5	78.2 82.5	78.2 82.6	78.2 82.6	78.3 82.6	78.4 82.8
IV 18000 16000	68.8 69.0	79.0 79.3	80.4 80.7	81.2 81.5	81.8 82.2	82.2 82.5	82.4 82.7	82.5 82.8	82.5 82.9	82.7 83.0	82.7 83.0	82.7 83.0	82.7 83.1	82.7 83.1	82.8 83.1	82.9 83.3
IV 14000 12000	69.7 71.1	80.1 81.5	81.2 82.9	82.3 83.7	83.0 84.3	83.3 84.7	83.5 84.9	83.6 85.0	83.6 85.0	83.8 85.2	83.8 85.2	83.8 85.2	83.8 85.2	83.8 85.2	83.9 85.3	84.0 85.4
IV 10000 9000	71.7 71.7	82.3 82.3	83.8 83.8	84.6 84.6	85.4 85.4	85.7 85.7	85.9 86.0	86.0 86.1	86.1 86.1	86.2 86.3	86.2 86.3	86.2 86.3	86.2 86.3	86.2 86.3	86.3 86.4	86.5 86.5
IV 8000 7000	72.1 72.4	82.7 83.0	84.2 84.5	85.0 85.3	85.8 86.1	86.1 86.4	86.3 86.6	86.4 86.7	86.5 86.8	86.6 86.9	86.6 86.9	86.6 86.9	86.6 87.0	86.6 87.0	86.7 87.0	86.9 87.2
IV 6000 5000	72.7 72.9	83.4 83.6	84.9 85.2	85.7 86.0	86.5 86.8	86.8 87.1	87.0 87.4	87.1 87.5	87.2 87.5	87.3 87.7	87.3 87.7	87.3 87.7	87.3 87.7	87.4 87.7	87.4 87.8	87.6 87.9
IV 4500 4000	73.4 73.9	84.1 84.7	85.7 86.4	86.6 87.2	87.3 87.9	87.7 88.3	87.9 88.5	88.0 88.6	88.0 88.6	88.2 88.8	88.2 88.8	88.2 88.8	88.2 88.8	88.2 88.8	88.3 88.9	88.4 89.0
IV 3500 3000	74.3 74.6	85.2 85.6	86.8 87.3	87.6 88.1	88.4 88.9	88.7 89.3	89.0 89.5	89.1 89.6	89.1 89.6	89.3 89.8	89.3 89.8	89.3 89.8	89.3 89.8	89.3 89.8	89.4 89.9	89.5 90.0
IV 2500 2000	75.0 76.5	86.2 88.1	87.8 89.8	88.6 90.7	89.6 91.6	89.9 91.9	90.1 92.2	90.2 92.3	90.3 92.3	90.4 92.5	90.4 92.5	90.4 92.5	90.4 92.5	90.5 92.5	90.5 92.6	90.7 92.7
IV 1800 1500	77.3 78.4	89.0 90.4	90.7 92.1	91.6 93.2	92.6 94.2	93.0 94.5	93.2 94.8	93.3 94.9	93.3 94.9	93.5 95.1	93.5 95.1	93.5 95.1	93.5 95.1	93.5 95.1	93.6 95.2	93.7 95.3
IV 1200 1000	79.1 79.7	91.4 92.1	93.4 94.1	94.6 95.4	95.7 96.5	96.0 96.9	96.2 97.2	96.3 97.3	96.4 97.3	96.5 97.5	96.5 97.5	96.5 97.5	96.6 97.6	96.6 97.6	96.6 97.6	96.8 97.8
IV 900 800	79.9 80.0	92.3 92.6	94.4 94.8	95.6 96.2	96.8 97.4	97.2 97.6	97.5 98.2	97.6 98.3	97.6 98.3	97.9 98.6	97.9 98.6	97.9 98.6	97.9 98.6	97.9 98.6	98.0 98.7	98.1 98.8
IV 700 600	80.1 80.1	92.7 92.8	94.9 95.1	96.5 96.7	97.7 97.9	98.1 98.3	98.5 98.8	98.6 98.9	98.7 98.9	98.9 99.2	98.9 99.2	98.9 99.2	98.9 99.2	98.9 99.2	99.0 99.2	99.1 99.4
IV 500 400	80.1 80.2	93.0 93.1	95.3 95.4	96.9 97.1	98.1 98.3	98.5 98.7	99.0 99.2	99.1 99.3	99.2 99.3	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6	99.5 99.7	99.6 99.8
IV 300 200	80.2 80.2	93.1 93.1	95.4 95.4	97.1 97.1	98.3 98.3	98.7 98.7	99.2 99.2	99.3 99.3	99.3 99.4	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.7 99.7	99.8 99.8
IV 100 0	80.2 80.2	93.1 93.1	95.4 95.4	97.1 97.1	98.3 98.3	98.7 98.7	99.2 99.2	99.3 99.3	99.4 99.4	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.7 99.7	99.7 99.7	99.9 100.0

TOTAL NUMBER OF OBSERVATIONS 2968



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

23211

HAMILTON AFB CALIF/SAN RAFAEL

39-70

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥½	≥5/16	≥¼
NO CEILING	39.0	50.2	52.5	55.1	57.6	57.9	58.9	59.2	59.2	60.3	60.4	60.9	60.8	61.0	61.9	62.1
≥20000	42.0	54.9	58.2	60.0	62.0	63.0	64.0	64.4	64.4	65.6	65.7	65.8	66.2	66.4	67.0	67.5
≥18000	42.3	54.8	58.4	60.2	62.8	63.2	64.2	64.6	64.6	65.8	65.9	66.0	66.4	66.6	67.2	67.8
≥16000	42.7	55.3	58.7	60.5	63.4	63.8	64.8	65.2	65.2	66.3	66.3	66.6	67.0	67.2	67.7	68.3
≥14000	43.3	56.2	59.9	61.9	64.5	64.9	65.9	66.3	66.3	67.5	67.7	67.7	68.1	68.3	68.9	69.5
≥12000	43.9	57.5	61.3	63.5	66.1	66.6	67.6	68.0	68.0	69.1	69.3	69.4	69.8	70.0	70.5	71.2
≥10000	45.1	58.9	62.9	65.0	67.8	68.2	69.2	69.6	69.6	70.7	70.9	71.0	71.4	71.6	72.2	72.8
≥9000	45.6	59.5	63.4	65.6	68.3	68.8	69.8	70.2	70.2	71.4	71.6	71.6	72.1	72.3	72.8	73.5
≥8000	46.4	60.3	64.2	66.5	69.3	69.8	70.8	71.2	71.2	72.4	72.6	72.6	73.0	73.2	73.8	74.4
≥7000	47.0	60.9	64.9	67.2	70.0	70.5	71.5	71.9	71.9	73.1	73.2	73.3	73.7	73.9	74.5	75.1
≥6000	47.7	61.8	65.8	68.1	70.9	71.3	72.3	72.7	72.7	73.9	74.1	74.2	74.6	74.8	75.4	76.0
≥5000	48.2	62.3	66.3	68.6	71.4	72.0	73.0	73.3	73.3	74.6	74.7	74.8	75.2	75.4	76.0	76.6
≥4500	48.5	62.7	66.7	69.0	71.9	72.4	73.4	73.8	73.8	75.0	75.2	75.2	75.6	75.9	76.4	77.0
≥4000	48.8	63.2	67.5	69.8	72.8	73.3	74.3	74.7	74.7	75.9	76.1	76.2	76.6	76.8	77.3	78.0
≥3500	49.1	63.7	67.9	70.3	73.3	73.9	74.9	75.3	75.3	76.5	76.7	76.8	77.2	77.4	77.9	78.6
≥3000	50.2	65.1	69.4	71.9	74.9	75.4	76.5	76.9	76.9	78.1	78.2	78.3	78.7	78.9	79.5	80.1
≥2500	51.4	66.5	70.8	73.3	76.4	76.9	77.9	78.4	78.4	79.6	79.7	79.8	80.2	80.4	81.0	81.6
≥2000	52.6	68.5	73.0	75.6	78.8	79.4	80.5	80.9	80.9	82.1	82.3	82.4	82.9	83.1	83.6	84.3
≥1800	53.2	69.2	73.9	76.5	79.9	80.5	81.6	82.0	82.0	83.3	83.4	83.5	84.0	84.2	84.7	85.4
≥1500	54.3	71.0	75.8	78.5	82.0	82.6	83.8	84.3	84.3	85.6	85.8	85.8	86.3	86.5	87.1	87.7
≥1200	55.2	72.4	77.3	80.1	83.8	84.5	85.7	86.2	86.2	87.5	87.7	87.8	88.3	88.5	89.1	89.7
≥1000	55.6	73.2	78.2	81.0	85.3	86.0	87.3	87.6	87.8	89.2	89.4	89.4	89.9	90.1	90.7	91.3
≥900	55.8	73.5	78.6	81.3	85.8	86.4	87.8	88.3	88.3	89.7	90.0	90.0	90.5	90.8	91.4	92.0
≥800	55.9	73.9	79.0	81.8	86.3	87.0	88.5	89.0	89.0	90.4	90.7	90.7	91.2	91.5	92.1	92.7
≥700	55.9	73.9	79.2	82.1	86.8	87.6	89.1	89.5	89.5	91.2	91.4	91.5	92.0	92.2	92.8	93.5
≥600	55.9	74.1	79.4	82.3	87.2	87.9	89.7	90.2	90.2	91.9	92.2	92.3	92.8	93.0	93.6	94.3
≥500	55.9	74.1	79.6	82.6	87.7	88.5	90.5	91.2	91.2	93.1	93.3	93.4	93.9	94.1	94.6	95.4
≥400	55.9	74.2	79.7	82.7	88.0	89.0	91.1	91.8	91.9	93.8	94.1	94.2	94.7	94.9	95.6	96.3
≥300	55.9	74.2	79.7	82.8	88.2	89.2	91.4	92.3	92.4	94.5	94.8	94.9	95.4	95.7	96.3	97.1
≥200	55.9	74.2	79.7	82.8	88.2	89.2	91.4	92.3	92.4	94.8	95.1	95.2	95.8	96.0	96.7	97.6
≥100	55.9	74.2	79.7	82.8	88.2	89.2	91.5	92.3	92.4	95.0	95.4	95.5	96.1	96.4	97.2	98.2
0	55.9	74.2	79.7	82.8	88.2	89.2	91.5	92.3	92.4	95.0	95.4	95.5	96.2	96.4	97.3	100.0

TOTAL NUMBER OF OBSERVATIONS 2878

USAF ETAC

FORM  
JUL 64

0-14-5 (OL 1)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

NDV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING	35.1	43.6	46.5	47.7	50.5	51.0	52.1	52.4	52.7	53.8	54.1	54.2	54.7	54.8	56.0	57.3
≥20000	37.6	47.0	50.4	52.0	55.0	55.6	56.9	57.2	57.4	58.6	58.9	59.0	59.5	59.7	60.8	62.2
IV 18000	37.7	47.3	50.7	52.2	55.3	55.8	57.1	57.4	57.7	58.8	59.2	59.2	59.7	59.9	61.1	62.5
IV 16000	38.0	47.7	51.1	52.7	55.7	56.3	57.6	57.9	58.1	59.3	59.6	59.7	60.2	60.4	61.5	62.9
IV 14000	38.3	46.3	51.7	53.4	56.5	57.1	58.4	58.7	58.9	60.2	60.5	60.6	61.1	61.3	62.4	63.8
IV 12000	38.9	49.6	53.1	53.0	58.3	58.8	60.2	60.5	60.7	62.0	62.3	62.3	62.9	63.0	64.2	65.6
IV 10000	39.8	50.7	54.3	56.2	59.5	60.1	61.5	61.9	62.1	63.4	63.7	63.8	64.3	64.5	65.6	67.0
IV 9000	40.3	51.3	54.8	56.8	60.1	60.7	62.1	62.3	62.7	64.1	64.4	64.4	65.0	65.2	66.3	67.7
IV 8000	40.8	52.0	55.6	57.6	61.0	61.5	63.4	63.3	63.6	65.0	65.3	65.3	65.9	66.0	67.2	68.6
IV 7000	41.2	52.6	56.2	58.2	61.6	62.1	63.9	63.9	64.2	65.6	65.9	66.0	66.5	66.7	67.8	69.2
IV 6000	41.8	53.2	56.9	58.9	62.3	62.8	64.3	64.6	64.9	66.3	66.6	66.7	67.2	67.3	68.5	69.9
IV 5000	42.4	54.2	57.8	59.9	63.3	63.8	65.3	65.6	65.9	67.2	67.6	67.6	68.1	68.3	69.5	70.9
IV 4500	43.0	54.8	58.6	60.6	64.0	64.6	66.1	66.4	66.6	68.0	68.4	68.4	68.9	69.1	70.2	71.7
IV 4000	43.5	55.4	59.2	61.3	64.7	65.3	66.8	67.1	67.3	68.7	69.1	69.1	69.6	69.8	71.0	72.4
IV 3500	44.1	56.3	60.1	62.2	65.6	66.2	67.7	68.0	68.3	69.7	70.0	70.1	70.6	70.8	71.9	73.4
IV 3000	45.3	57.8	61.6	63.8	67.3	67.9	69.4	69.7	70.0	71.3	71.7	71.7	72.2	72.4	73.6	75.0
IV 2500	46.1	58.8	62.7	64.9	68.4	69.0	70.5	70.9	71.1	72.3	72.9	72.9	73.5	73.6	74.8	76.2
IV 2000	47.7	61.0	63.2	67.5	71.4	72.0	73.6	73.9	74.2	75.6	76.0	76.0	76.6	76.8	78.0	79.4
IV 1800	48.1	61.7	65.8	68.2	72.1	72.8	74.4	74.7	75.0	76.4	76.8	76.8	77.4	77.6	78.8	80.2
IV 1500	49.4	63.5	67.8	70.5	74.8	75.4	77.2	77.6	77.8	79.3	79.7	79.7	80.4	80.5	81.7	83.2
IV 1200	50.2	64.8	69.3	72.0	76.6	77.3	79.0	79.5	79.7	81.2	81.6	81.7	82.3	82.5	83.7	85.1
IV 1000	50.6	65.5	70.0	72.8	77.9	78.6	80.5	81.0	81.2	82.8	83.2	83.3	84.0	84.1	85.3	86.7
IV 900	50.9	65.9	70.4	73.4	78.6	79.3	81.3	81.8	82.1	83.8	84.2	84.2	84.9	85.1	86.3	87.7
IV 800	50.9	66.3	70.9	73.9	79.2	79.9	82.0	82.6	82.9	84.5	84.9	85.0	85.8	86.0	87.1	88.6
IV 700	51.0	66.4	71.2	74.4	79.9	80.5	82.6	83.2	83.5	85.2	85.7	85.7	86.6	86.7	87.9	89.3
IV 600	51.2	66.8	71.6	74.7	80.3	81.1	83.4	84.0	84.3	86.0	86.5	86.5	87.4	87.5	88.6	90.2
IV 500	51.2	66.8	71.6	74.9	80.7	81.6	84.1	84.8	85.1	87.0	87.4	87.5	88.4	88.6	89.9	91.3
IV 400	51.2	66.8	71.7	75.0	81.2	82.1	84.8	85.7	86.0	88.1	88.5	88.5	89.5	89.8	91.1	92.6
IV 300	51.2	66.8	71.7	75.1	81.3	82.4	85.1	86.0	86.4	88.7	89.2	89.3	90.4	90.6	92.0	93.5
IV 200	51.2	66.9	71.8	75.1	81.5	82.5	85.3	86.3	86.7	89.3	90.0	90.1	91.3	91.6	93.1	95.1
IV 100	51.2	66.9	71.8	75.1	81.5	82.5	85.3	86.3	86.7	89.3	90.2	90.4	91.8	92.1	93.9	96.1
IV 0	51.2	66.9	71.8	75.1	81.5	82.5	85.3	86.3	86.7	89.3	90.3	90.5	92.0	92.3	94.2	100.0

TOTAL NUMBER OF OBSERVATIONS

2879

USAF ETAC

FORM  
JUL 64

0-14-5 (OL 1)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

## CEILING VERSUS VISIBILITY

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

NOV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	27.4	34.3	36.9	38.0	40.8	41.2	42.6	43.0	43.1	43.9	44.2	44.3	45.3	45.5	46.3	47.8
≥ 20000	30.7	39.0	41.7	44.1	46.3	47.0	48.6	49.0	49.2	50.3	50.7	50.9	52.0	52.2	53.2	54.9
IV 18000	31.0	39.4	42.2	44.7	47.1	47.5	49.3	49.7	49.8	51.0	51.4	51.5	52.6	52.8	53.8	55.5
IV 16000	31.2	39.8	42.5	45.0	47.3	48.0	49.7	50.1	50.3	51.4	51.8	51.9	53.1	53.3	54.3	56.0
IV 14000	32.4	41.2	44.1	46.7	49.2	49.8	51.5	52.0	52.1	53.4	53.8	53.9	55.0	55.2	56.2	57.9
IV 12000	33.1	42.2	45.2	48.0	50.7	51.3	53.0	53.5	53.6	54.9	55.4	55.5	56.6	56.8	57.8	59.6
IV 10000	33.9	43.3	46.3	49.4	52.1	52.7	54.6	55.1	55.2	56.5	57.0	57.1	58.2	58.4	59.4	61.3
IV 9000	34.2	43.6	46.8	49.8	52.7	53.3	55.1	55.6	55.8	57.1	57.5	57.6	58.8	59.0	60.0	61.8
IV 8000	34.9	44.6	47.8	50.9	53.8	54.4	56.5	56.9	57.1	58.4	58.9	59.0	60.1	60.3	61.3	63.1
IV 7000	35.2	45.1	48.4	51.6	54.5	55.1	57.1	57.6	57.7	59.1	59.5	59.6	60.8	61.0	62.0	63.8
IV 6000	35.8	45.8	49.1	52.3	55.2	55.8	57.9	58.3	58.5	59.8	60.3	60.4	61.5	61.7	62.7	64.6
IV 5000	36.4	46.7	49.9	53.2	56.1	56.7	58.8	59.3	59.4	60.8	61.3	61.4	62.5	62.7	63.7	65.5
IV 4500	36.9	47.3	50.5	53.8	56.7	57.3	59.4	59.9	60.1	61.4	61.9	62.0	63.1	63.3	64.3	66.2
IV 4000	37.5	48.0	51.3	54.6	57.6	58.2	60.3	60.7	60.9	62.3	62.7	62.9	64.0	64.2	65.2	67.1
IV 3500	37.9	48.6	51.9	55.2	58.2	58.8	61.0	61.5	61.7	63.1	63.5	63.6	64.8	65.0	66.0	67.9
IV 3000	39.0	50.1	53.4	56.8	59.8	60.5	62.8	63.1	63.3	64.7	65.1	65.3	66.4	66.6	67.6	69.5
IV 2500	40.1	51.5	54.9	58.4	61.5	62.1	64.3	64.9	65.1	66.5	67.0	67.1	68.2	68.4	69.4	71.3
IV 2000	41.6	53.5	56.9	60.6	64.0	64.8	67.1	67.6	67.9	69.4	69.8	69.9	71.1	71.3	72.3	74.2
IV 1800	42.2	54.3	57.9	61.6	65.1	65.9	68.2	68.8	69.1	70.6	71.1	71.2	72.4	72.6	73.6	75.3
IV 1500	43.2	55.9	59.7	63.7	67.6	68.4	70.7	71.5	71.8	73.3	73.8	73.9	75.1	75.3	76.3	78.2
IV 1200	43.9	57.3	61.3	65.5	69.7	70.6	73.0	73.9	74.2	75.7	76.2	76.3	77.6	77.8	78.8	80.7
IV 1000	44.3	58.2	62.2	66.7	71.3	72.3	74.7	75.7	75.9	77.5	78.1	78.2	79.4	79.6	80.6	82.5
IV 900	44.5	58.7	62.9	67.6	72.4	73.5	76.0	77.0	77.3	78.9	79.4	79.5	80.8	81.0	82.0	83.9
IV 800	44.7	59.2	63.4	68.4	73.3	74.3	77.0	78.0	78.3	80.1	80.6	80.7	82.0	82.2	83.2	85.1
IV 700	44.8	59.4	63.7	68.9	73.9	75.0	77.8	78.9	79.2	81.1	81.7	81.8	83.1	83.3	84.3	86.3
IV 600	44.8	59.5	63.9	69.1	74.3	75.4	78.3	79.3	79.8	81.9	82.5	82.6	84.0	84.2	85.2	87.1
IV 500	44.9	59.8	64.1	69.5	74.9	76.0	79.3	80.6	80.9	83.3	83.9	84.0	85.6	85.8	86.9	88.9
IV 400	44.9	59.9	64.3	69.8	75.3	76.6	80.2	81.6	81.9	84.7	85.3	85.4	87.0	87.2	88.4	90.4
IV 300	44.9	59.9	64.3	69.8	75.4	76.7	80.5	82.1	82.4	85.5	86.3	86.4	88.2	88.6	89.9	92.1
IV 200	44.9	59.9	64.3	69.8	75.5	76.8	80.6	82.2	82.6	86.0	86.8	86.9	88.8	89.2	90.7	93.6
IV 100	44.9	59.9	64.3	69.8	75.5	76.8	80.6	82.2	82.6	86.2	87.1	87.3	89.4	89.8	91.6	95.2
IV 0	44.9	59.9	64.3	69.8	75.5	76.8	80.6	82.2	82.6	86.2	87.1	87.3	89.5	89.9	91.8	100.0

TOTAL NUMBER OF OBSERVATIONS 2875

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

23211

HAMILTON AFB CALIF/SAN RAFAEL

39-70

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	25.4	38.0	40.8	44.3	46.2	46.6	47.3	47.6	47.6	47.8	47.9	47.9	48.0	48.1	48.1	48.3
≥ 20000	29.4	44.4	48.0	52.7	55.0	55.5	56.3	56.7	56.7	57.1	57.3	57.3	57.4	57.5	57.5	57.8
IV 18000	29.6	44.9	48.6	53.4	55.7	56.2	57.1	57.5	57.5	57.9	58.1	58.1	58.2	58.2	58.3	58.6
IV 16000	29.9	45.2	49.0	54.0	56.3	56.9	57.8	58.2	58.2	58.6	58.8	58.8	58.9	58.9	59.0	59.3
IV 14000	30.8	46.6	50.4	55.5	58.0	58.7	59.6	60.1	60.1	60.4	60.6	60.6	60.8	60.8	60.9	61.2
IV 12000	31.6	47.9	51.8	56.9	59.7	60.5	61.4	61.9	61.9	62.3	62.5	62.5	62.7	62.7	62.7	63.0
IV 10000	32.8	49.0	53.0	58.4	61.3	62.2	63.2	63.7	63.7	64.1	64.3	64.3	64.5	64.5	64.5	64.8
IV 9000	32.9	49.2	53.2	58.7	61.6	62.5	63.5	64.0	64.0	64.4	64.6	64.6	64.8	64.8	64.8	65.2
IV 8000	33.5	49.9	54.0	59.6	62.6	63.6	64.6	65.1	65.1	65.5	65.8	65.8	65.9	65.9	66.0	66.3
IV 7000	33.7	50.2	54.4	60.0	63.0	64.0	65.0	65.5	65.5	66.0	66.2	66.2	66.3	66.3	66.4	66.7
IV 6000	34.2	50.9	55.0	60.7	63.7	64.7	65.8	66.3	66.3	66.7	67.0	67.0	67.1	67.1	67.2	67.5
IV 5000	34.4	51.1	55.4	61.1	64.2	65.3	66.4	66.9	66.9	67.3	67.6	67.6	67.7	67.7	67.8	68.1
IV 4500	34.8	51.8	56.1	61.8	64.9	66.0	67.1	67.6	67.6	68.0	68.3	68.3	68.4	68.4	68.5	68.8
IV 4000	35.4	52.6	57.0	62.9	65.9	67.0	68.2	68.7	68.7	69.2	69.4	69.4	69.5	69.6	69.6	69.9
IV 3500	35.5	53.0	57.3	63.3	66.3	67.5	68.5	69.2	69.2	69.6	69.9	69.9	70.0	70.0	70.1	70.4
IV 3000	37.1	54.8	59.2	65.2	68.3	69.5	70.8	71.3	71.3	71.7	72.0	72.0	72.1	72.1	72.2	72.5
IV 2500	37.9	56.3	60.4	67.0	70.1	71.4	72.7	73.2	73.2	73.6	73.9	73.9	74.0	74.1	74.1	74.4
IV 2000	39.3	58.9	63.7	70.2	73.5	74.8	76.2	76.8	76.8	77.3	77.6	77.6	77.7	77.7	77.8	78.1
IV 1800	39.6	59.5	64.3	71.0	74.3	75.6	77.0	77.6	77.6	78.1	78.4	78.4	78.5	78.6	78.6	78.9
IV 1500	40.2	60.7	65.8	72.6	76.0	77.4	78.8	79.4	79.4	80.0	80.2	80.2	80.4	80.5	80.5	80.9
IV 1200	40.5	61.8	67.3	74.6	78.3	79.7	81.3	82.0	82.0	82.7	83.0	83.0	83.2	83.3	83.3	83.6
IV 1000	40.7	62.8	68.4	76.2	80.0	81.6	83.2	84.1	84.2	84.9	85.2	85.2	85.4	85.5	85.6	85.9
IV 900	40.8	63.3	69.0	77.1	81.1	82.8	84.8	85.8	85.8	86.7	87.0	87.0	87.2	87.3	87.4	87.7
IV 800	40.8	63.6	69.4	77.7	81.9	83.6	85.6	86.6	86.7	87.7	88.1	88.1	88.3	88.4	88.4	88.7
IV 700	40.8	63.8	69.6	78.2	82.5	84.3	86.3	87.5	87.6	88.9	89.2	89.2	89.5	89.5	89.6	89.9
IV 600	40.8	64.0	69.9	78.7	83.1	85.0	87.1	88.4	88.4	90.0	90.3	90.3	90.6	90.7	90.8	91.1
IV 500	40.9	64.1	70.0	79.0	83.7	85.7	88.2	89.9	90.0	91.8	92.2	92.3	92.6	92.7	92.8	93.1
IV 400	40.9	64.1	70.0	79.0	83.8	85.9	88.6	90.6	90.8	92.8	93.2	93.2	93.7	93.7	93.9	94.2
IV 300	40.9	64.1	70.0	79.0	84.0	86.0	89.0	91.2	91.3	94.1	94.7	94.8	95.5	95.6	95.9	96.4
IV 200	40.9	64.1	70.0	79.0	84.0	86.0	89.0	91.2	91.3	94.2	94.9	95.1	96.0	96.1	96.6	97.5
IV 100	40.9	64.1	70.0	79.0	84.0	86.0	89.0	91.2	91.3	94.2	95.0	95.1	96.1	96.2	96.8	98.5
IV 0	40.9	64.1	70.0	79.0	84.0	86.0	89.0	91.2	91.3	94.2	95.0	95.1	96.2	96.3	97.0	100.0

TOTAL NUMBER OF OBSERVATIONS

2879

USAF ETAC

FORM  
JUL 64

0-14-5 (OL 1)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23211

HAMILTON AFB CALIF/SAN RAFAEL

39-70

NRV

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	31.1	44.4	47.8	51.2	52.8	53.0	53.4	53.4	53.4	53.6	53.6	53.6	53.6	53.6	53.6	53.6
IV 20000	36.3	52.9	57.3	61.9	63.7	64.1	64.5	64.6	64.6	64.9	64.9	65.0	65.0	65.0	65.0	65.0
IV 18000	36.6	53.3	57.8	62.3	64.5	64.8	65.3	65.4	65.4	65.7	65.7	65.8	65.8	65.8	65.8	65.8
IV 16000	36.9	53.7	58.2	63.0	65.1	65.4	65.9	66.0	66.0	66.3	66.3	66.3	66.3	66.3	66.4	66.4
IV 14000	37.8	55.4	60.0	64.9	67.1	67.4	67.9	68.0	68.0	68.3	68.3	68.4	68.4	68.4	68.4	68.4
IV 12000	38.2	56.4	61.1	66.4	68.9	69.3	69.9	70.0	70.0	70.2	70.3	70.3	70.3	70.3	70.4	70.4
IV 10000	39.0	57.6	62.3	67.8	70.4	70.8	71.4	71.5	71.5	71.8	71.8	71.8	71.8	71.8	71.9	71.9
IV 9000	39.1	58.0	62.8	68.3	70.9	71.3	71.9	72.0	72.0	72.2	72.3	72.3	72.3	72.3	72.4	72.4
IV 8000	39.3	58.6	63.4	69.1	71.7	72.2	72.8	72.9	72.9	73.2	73.2	73.3	73.3	73.3	73.3	73.3
IV 7000	39.9	59.2	64.0	69.7	72.4	72.9	73.5	73.6	73.6	73.9	73.9	74.0	74.0	74.0	74.1	74.1
IV 6000	40.0	59.4	64.3	70.1	72.8	73.3	73.9	74.0	74.1	74.3	74.4	74.4	74.4	74.4	74.5	74.5
IV 5000	40.5	60.1	65.0	70.9	73.6	74.1	74.7	74.9	74.9	75.2	75.2	75.2	75.2	75.2	75.3	75.3
IV 4500	40.7	60.4	65.4	71.3	74.1	74.5	75.2	75.3	75.3	75.6	75.7	75.7	75.7	75.7	75.8	75.8
IV 4000	41.8	61.3	66.4	72.3	75.2	75.7	76.4	76.5	76.6	76.8	76.9	76.9	76.9	76.9	77.0	77.0
IV 3500	42.4	62.3	67.3	73.3	76.1	76.6	77.3	77.4	77.5	77.7	77.8	77.8	77.8	77.8	77.9	77.9
IV 3000	44.3	64.6	69.6	75.7	78.3	79.0	79.7	79.8	79.8	80.1	80.1	80.2	80.2	80.2	80.2	80.2
IV 2500	45.7	66.6	71.7	77.9	80.8	81.3	82.0	82.1	82.2	82.5	82.5	82.6	82.6	82.6	82.6	82.6
IV 2000	47.3	69.5	74.9	81.3	84.2	84.9	85.7	85.8	85.9	86.2	86.2	86.3	86.3	86.3	86.3	86.3
IV 1800	48.0	70.4	75.9	82.3	85.3	85.9	86.8	86.9	86.9	87.3	87.4	87.4	87.4	87.4	87.5	87.5
IV 1500	48.6	71.8	77.4	84.0	87.0	87.6	88.6	88.7	88.8	89.3	89.3	89.4	89.5	89.5	89.5	89.5
IV 1200	49.0	73.3	79.0	85.9	89.0	89.7	90.7	90.9	90.9	91.5	91.5	91.6	91.7	91.7	91.8	91.8
IV 1000	49.0	74.1	80.1	87.4	90.7	91.6	92.8	93.0	93.1	93.7	93.7	93.8	93.9	93.9	94.0	94.0
IV 900	49.1	74.3	80.4	88.0	91.6	92.4	93.7	94.0	94.1	94.8	94.9	94.9	95.0	95.0	95.1	95.1
IV 800	49.3	74.6	80.8	88.6	92.3	93.2	94.5	94.9	95.0	95.9	95.9	95.9	96.1	96.1	96.1	96.1
IV 700	49.3	74.8	81.0	89.2	92.9	93.9	95.4	95.8	96.0	97.0	97.2	97.2	97.3	97.3	97.4	97.4
IV 600	49.3	74.9	81.1	89.3	93.2	94.2	95.9	96.3	96.3	97.6	97.7	97.8	97.9	97.9	98.0	98.0
IV 500	49.3	74.9	81.1	89.3	93.3	94.4	96.1	96.7	96.9	98.2	98.4	98.4	98.6	98.6	98.7	98.7
IV 400	49.3	74.9	81.1	89.4	93.4	94.4	96.2	96.9	97.1	98.5	98.9	98.9	99.2	99.2	99.2	99.2
IV 300	49.3	74.9	81.1	89.4	93.4	94.4	96.2	96.9	97.1	98.7	99.1	99.2	99.5	99.5	99.6	99.7
IV 200	49.3	74.9	81.1	89.4	93.4	94.4	96.2	96.9	97.1	98.7	99.1	99.2	99.5	99.5	99.7	99.8
IV 100	49.3	74.9	81.1	89.4	93.4	94.4	96.2	96.9	97.1	98.7	99.1	99.2	99.5	99.5	99.7	99.9
IV 0	49.3	74.9	81.1	89.4	93.4	94.4	96.2	96.9	97.1	98.7	99.1	99.2	99.5	99.5	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS

2879

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

23211

HAMILTON AFB CALIF/SAN RAFAEL

39-70

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	38.5	51.9	54.2	55.8	56.5	56.6	56.7	56.9	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 20000	43.2	61.5	64.5	66.7	67.6	67.8	68.0	68.2	68.3	68.4	68.4	68.4	68.5	68.5	68.5	68.5
IV 18000	45.4	62.0	64.9	67.1	68.1	68.2	68.5	68.7	68.8	68.9	68.9	68.9	69.0	69.0	69.0	69.1
IV 16000	45.7	62.6	65.5	67.9	68.8	69.0	69.3	69.5	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.8
IV 14000	46.8	64.3	67.2	69.9	70.9	71.0	71.3	71.6	71.7	71.8	71.8	71.8	71.9	71.9	71.9	71.9
IV 12000	47.9	65.9	68.9	71.7	72.9	73.0	73.5	73.7	73.8	74.0	74.0	74.0	74.1	74.1	74.1	74.1
IV 10000	48.6	66.8	69.9	72.9	74.3	74.4	74.9	75.2	75.2	75.4	75.5	75.5	75.5	75.5	75.5	75.6
IV 9000	48.8	67.2	70.3	73.3	74.7	74.9	75.3	75.6	75.7	75.8	75.9	75.9	75.9	75.9	75.9	76.0
IV 8000	49.4	68.2	71.3	74.5	76.0	76.1	76.7	77.0	77.1	77.3	77.4	77.4	77.4	77.4	77.4	77.5
IV 7000	49.8	68.7	71.8	75.0	76.5	76.6	77.1	77.3	77.6	77.8	77.8	77.8	77.9	77.9	77.9	77.9
IV 6000	50.2	69.2	72.3	75.5	77.0	77.1	77.7	78.1	78.2	78.4	78.4	78.4	78.5	78.5	78.5	78.5
IV 5000	51.1	70.3	73.6	76.8	78.3	78.5	79.0	79.4	79.5	79.7	79.7	79.7	79.8	79.8	79.8	79.9
IV 4500	51.3	70.6	73.9	77.2	78.7	78.8	79.4	79.8	79.9	80.1	80.1	80.1	80.2	80.2	80.2	80.2
IV 4000	52.1	71.7	75.0	78.3	79.7	79.9	80.4	80.9	81.0	81.1	81.2	81.2	81.2	81.2	81.2	81.3
IV 3500	52.9	72.5	75.8	79.1	80.6	80.8	81.3	81.7	81.8	82.0	82.0	82.0	82.1	82.1	82.1	82.1
IV 3000	54.4	74.3	77.8	81.1	82.6	82.8	83.4	83.8	83.9	84.1	84.1	84.1	84.2	84.2	84.2	84.2
IV 2500	55.7	76.3	79.9	83.4	84.9	85.1	85.8	86.2	86.3	86.5	86.5	86.5	86.6	86.6	86.6	86.6
IV 2000	57.1	78.7	82.6	85.2	87.9	88.1	88.8	89.3	89.4	89.5	89.6	89.6	89.6	89.6	89.6	89.7
IV 1800	57.5	79.1	83.0	86.7	88.4	88.6	89.3	89.8	89.9	90.0	90.1	90.1	90.1	90.1	90.1	90.2
IV 1500	58.5	80.4	84.5	88.2	90.0	90.1	90.9	91.4	91.5	91.7	91.8	91.8	91.8	91.8	91.8	91.9
IV 1200	58.9	81.4	85.6	89.6	91.5	91.7	92.6	93.1	93.2	93.5	93.5	93.5	93.6	93.6	93.6	93.6
IV 1000	59.0	82.2	86.6	90.9	92.8	93.2	94.1	94.8	94.9	95.2	95.2	95.2	95.3	95.3	95.3	95.4
IV 900	59.0	82.3	86.7	91.0	93.2	93.5	94.5	95.3	95.4	95.8	95.8	95.8	95.9	95.9	95.9	96.0
IV 800	59.1	82.5	87.1	91.5	93.7	94.1	95.3	96.1	96.2	96.7	96.8	96.8	96.9	96.9	96.9	96.9
IV 700	59.2	83.0	87.7	92.2	94.4	94.8	96.1	97.0	97.1	97.6	97.7	97.7	97.9	97.9	97.9	98.0
IV 600	59.2	83.0	87.7	92.2	94.5	95.0	96.3	97.2	97.3	97.9	98.1	98.1	98.3	98.3	98.3	98.4
IV 500	59.2	83.0	87.7	92.3	94.7	95.1	96.5	97.5	97.6	98.4	98.7	98.7	99.1	99.2	99.2	99.2
IV 400	59.2	83.0	87.7	92.3	94.7	95.1	96.7	97.7	97.8	98.7	99.1	99.1	99.3	99.3	99.6	99.7
IV 300	59.2	83.0	87.7	92.3	94.8	95.2	96.7	97.8	97.9	98.9	99.3	99.3	99.7	99.7	99.8	99.9
IV 200	59.2	83.0	87.7	92.3	94.8	95.2	96.7	97.8	97.9	98.9	99.3	99.3	99.7	99.7	99.8	99.9
IV 100	59.2	83.0	87.7	92.3	94.8	95.2	96.7	97.8	97.9	98.9	99.3	99.3	99.7	99.7	99.8	99.9
IV 0	59.2	83.0	87.7	92.3	94.8	95.2	96.7	97.8	97.9	98.9	99.3	99.3	99.7	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 2870

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

NOV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1000-2000  
FOOT (FT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	40.3	57.3	60.0	61.0	62.4	62.5	62.9	62.9	62.9	63.1	63.1	63.1	63.1	63.1	63.1	63.2
IV 20000	51.2	63.7	66.6	68.0	69.7	69.9	70.2	70.3	70.3	70.6	70.6	70.6	70.6	70.6	70.6	70.7
IV 18000	51.5	64.3	67.3	68.6	70.3	70.5	70.9	70.9	70.9	71.2	71.3	71.3	71.3	71.3	71.3	71.4
IV 16000	52.1	65.0	68.1	69.5	71.3	71.4	71.8	71.8	71.8	72.1	72.2	72.2	72.2	72.2	72.2	72.3
IV 14000	52.7	65.9	69.1	70.6	72.5	72.7	73.1	73.1	73.1	73.4	73.4	73.4	73.4	73.4	73.5	73.5
IV 12000	53.5	67.2	70.7	72.4	74.4	74.6	75.0	75.1	75.1	75.4	75.4	75.4	75.4	75.4	75.5	75.5
IV 10000	54.7	68.8	72.4	74.2	76.3	76.4	76.9	77.0	77.0	77.3	77.3	77.3	77.3	77.3	77.4	77.4
IV 9000	55.1	69.2	72.8	74.7	76.7	76.9	77.4	77.4	77.4	77.7	77.7	77.8	77.8	77.8	77.8	77.9
IV 8000	55.8	70.2	73.9	75.8	78.0	78.2	78.7	78.8	78.8	79.1	79.1	79.1	79.1	79.1	79.1	79.2
IV 7000	56.3	70.7	74.4	76.4	78.6	78.8	79.4	79.4	79.4	79.8	79.8	79.8	79.8	79.8	79.8	79.9
IV 6000	56.9	71.6	75.4	77.3	79.6	79.8	80.4	80.5	80.5	80.8	80.8	80.8	80.8	80.8	80.9	80.9
IV 5000	57.9	72.7	76.5	78.4	80.8	81.0	81.6	81.7	81.7	82.1	82.1	82.1	82.1	82.1	82.2	82.2
IV 4500	58.4	73.4	77.2	79.1	81.4	81.6	82.2	82.3	82.3	82.7	82.7	82.7	82.7	82.7	82.8	82.8
IV 4000	59.2	74.3	78.2	80.1	82.5	82.7	83.3	83.4	83.4	83.8	83.8	83.8	83.8	83.8	83.9	83.9
IV 3500	59.8	75.1	79.0	80.9	83.3	83.5	84.1	84.2	84.2	84.6	84.6	84.6	84.6	84.6	84.7	84.7
IV 3000	60.9	76.4	80.3	82.3	84.7	84.9	85.5	85.6	85.6	86.0	86.0	86.0	86.0	86.0	86.1	86.1
IV 2500	62.1	78.0	81.9	84.0	86.3	86.5	87.2	87.3	87.3	87.7	87.7	87.7	87.7	87.7	87.7	87.8
IV 2000	63.7	80.0	84.1	86.1	88.5	88.8	89.4	89.5	89.5	89.9	90.0	90.0	90.0	90.0	90.0	90.1
IV 1800	64.1	80.5	84.7	86.7	89.1	89.4	90.2	90.3	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.8
IV 1500	65.1	81.8	86.1	88.3	90.8	91.1	91.9	92.1	92.1	92.5	92.5	92.5	92.5	92.5	92.6	92.6
IV 1200	65.4	82.7	87.1	89.5	92.3	92.6	93.5	93.8	93.8	94.2	94.2	94.2	94.2	94.2	94.3	94.3
IV 1000	65.9	83.5	88.1	90.7	93.7	94.0	94.9	95.3	95.3	95.8	95.8	95.8	95.8	95.8	95.8	95.9
IV 900	65.9	83.6	88.3	90.9	94.1	94.4	95.5	95.8	95.8	96.3	96.4	96.4	96.4	96.4	96.4	96.5
IV 800	65.9	83.8	88.6	91.4	94.7	95.1	96.4	96.7	96.7	97.3	97.4	97.4	97.4	97.4	97.5	97.5
IV 700	65.9	83.9	88.7	91.5	94.9	95.3	96.7	97.0	97.0	97.8	97.9	97.9	97.9	97.9	98.0	98.0
IV 600	66.0	84.0	88.8	91.6	95.0	95.4	96.8	97.3	97.3	98.0	98.1	98.1	98.1	98.1	98.2	98.2
IV 500	66.0	84.0	88.9	91.7	95.4	95.8	97.2	97.7	97.7	98.6	98.8	98.8	98.8	98.8	98.8	98.9
IV 400	66.0	84.1	89.0	91.8	95.5	95.9	97.4	97.9	97.9	98.8	99.0	99.1	99.1	99.1	99.2	99.2
IV 300	66.0	84.1	89.0	91.8	95.5	95.9	97.4	97.9	97.9	98.9	99.2	99.3	99.3	99.3	99.4	99.4
IV 200	66.0	84.1	89.0	91.8	95.5	95.9	97.4	98.0	98.0	98.9	99.3	99.3	99.3	99.4	99.4	99.5
IV 100	66.0	84.1	89.0	91.8	95.5	95.9	97.4	98.0	98.0	98.9	99.3	99.3	99.3	99.4	99.4	99.5
IV 0	66.0	84.1	89.0	91.8	95.5	95.9	97.4	98.0	98.0	98.9	99.3	99.3	99.3	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS

2880

USAF ETAC

FORM  
JUL 64

0-14-5 (OL 1)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

23211

HAMILTON AFB CALIF/SAN RAFAEL

39-70

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	45.6	57.8	60.4	61.7	63.7	63.9	64.4	64.4	64.5	64.8	64.9	64.9	65.1	65.1	65.2	65.3
IV 20000	49.4	62.7	65.5	67.0	69.2	69.4	69.9	70.0	70.0	70.4	70.5	70.5	70.6	70.6	70.8	71.1
IV 18000	49.6	63.1	65.9	67.4	69.6	69.7	70.3	70.4	70.4	70.8	70.9	70.9	71.0	71.0	71.2	71.4
IV 16000	50.1	63.7	66.7	68.2	70.4	70.5	71.1	71.1	71.2	71.6	71.6	71.6	71.8	71.8	72.0	72.2
IV 14000	50.5	64.4	67.3	69.2	71.4	71.5	72.1	72.1	72.2	72.6	72.6	72.6	72.8	72.8	73.0	73.2
IV 12000	51.3	65.6	69.1	70.9	73.2	73.3	73.9	73.9	74.0	74.5	74.6	74.6	74.7	74.7	74.9	75.2
IV 10000	52.4	67.0	70.5	72.5	74.7	74.9	75.5	75.5	75.6	76.1	76.2	76.2	76.3	76.3	76.5	76.8
IV 9000	52.7	67.6	71.1	73.0	75.3	75.5	76.1	76.1	76.2	76.7	76.8	76.8	76.9	76.9	77.1	77.4
IV 8000	53.1	68.0	71.6	73.6	76.0	76.1	76.7	76.8	76.8	77.4	77.4	77.4	77.6	77.6	77.8	78.0
IV 7000	53.7	68.7	72.2	74.2	76.6	76.8	77.4	77.4	77.5	78.0	78.0	78.0	78.2	78.2	78.4	78.6
IV 6000	54.5	69.5	73.1	75.1	77.6	77.7	78.3	78.4	78.4	78.9	79.0	79.0	79.1	79.1	79.3	79.6
IV 5000	55.3	70.5	74.2	76.1	78.7	78.9	79.5	79.6	79.6	80.2	80.2	80.2	80.4	80.4	80.6	80.8
IV 4500	55.6	71.0	74.6	76.6	79.2	79.3	80.0	80.1	80.1	80.6	80.7	80.7	80.8	80.8	81.0	81.3
IV 4000	56.3	71.8	75.5	77.5	80.1	80.2	80.9	80.9	81.0	81.5	81.6	81.6	81.7	81.7	81.9	82.2
IV 3500	56.9	72.3	76.2	78.2	80.8	80.9	81.6	81.7	81.7	82.2	82.3	82.3	82.5	82.5	82.7	82.9
IV 3000	58.2	73.9	77.7	79.6	82.3	82.4	83.1	83.2	83.2	83.7	83.8	83.8	84.0	84.0	84.2	84.4
IV 2500	59.2	75.2	79.1	81.0	83.7	83.9	84.6	84.7	84.8	85.3	85.3	85.3	85.5	85.5	85.7	86.0
IV 2000	60.3	76.8	80.8	82.8	85.7	85.9	86.8	86.8	86.9	87.4	87.5	87.5	87.6	87.6	87.8	88.1
IV 1800	60.7	77.3	81.3	83.4	86.4	86.5	87.4	87.5	87.5	88.1	88.1	88.1	88.3	88.3	88.5	88.7
IV 1500	61.4	78.4	82.5	84.6	87.7	87.8	88.9	88.9	89.0	89.5	89.5	89.5	89.7	89.7	89.9	90.2
IV 1200	62.2	79.6	83.9	85.1	89.3	89.5	90.5	90.6	90.6	91.1	91.2	91.2	91.4	91.4	91.6	91.8
IV 1000	62.9	80.9	85.4	87.7	91.1	91.2	92.3	92.4	92.5	93.1	93.1	93.1	93.3	93.3	93.5	93.7
IV 900	63.1	81.2	86.0	88.3	92.0	92.2	93.3	93.4	93.4	94.0	94.1	94.1	94.2	94.2	94.4	94.7
IV 800	63.2	81.5	86.3	88.7	92.5	92.7	93.9	94.0	94.0	94.7	94.8	94.8	94.9	94.9	95.1	95.4
IV 700	63.2	81.5	86.3	88.7	92.9	93.2	94.5	94.6	94.6	95.3	95.4	95.4	95.6	95.6	95.8	96.0
IV 600	63.3	81.6	86.5	89.0	93.3	93.6	95.0	95.1	95.1	95.9	96.0	96.0	96.1	96.1	96.4	96.6
IV 500	63.3	81.6	86.6	89.1	93.7	94.0	95.5	95.6	95.7	96.6	96.7	96.7	96.9	96.9	97.2	97.4
IV 400	63.4	81.7	86.6	89.2	93.9	94.2	95.9	96.1	96.1	97.3	97.4	97.4	97.7	97.7	98.0	98.2
IV 300	63.4	81.7	86.6	89.2	93.9	94.3	96.0	96.3	96.4	97.6	97.8	97.8	98.0	98.0	98.4	98.6
IV 200	63.4	81.7	86.6	89.2	94.0	94.4	96.2	96.5	96.5	97.8	98.0	98.0	98.3	98.3	98.7	99.0
IV 100	63.4	81.7	86.6	89.2	94.0	94.4	96.2	96.5	96.5	97.8	98.1	98.1	98.4	98.4	99.0	99.3
IV 0	63.4	81.7	86.6	89.2	94.0	94.4	96.2	96.5	96.5	97.8	98.1	98.2	98.4	98.5	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS

2879

USAF ETAC

FORM  
JUL 64

0-14-5 (OL 1)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	27.1	35.0	37.7	39.2	40.9	41.0	41.6	42.2	42.3	43.5	44.0	44.0	45.0	45.2	45.8	46.5
≥ 20000	28.6	38.4	40.5	42.4	44.2	44.5	45.2	45.8	45.8	47.1	47.6	47.6	48.7	48.9	49.5	50.2
≥ 18000	28.6	38.5	40.6	42.5	44.4	44.7	45.3	45.9	46.0	47.3	47.7	47.7	48.8	49.0	49.7	50.4
IV 16000	28.8	38.7	40.8	42.7	44.6	44.9	45.6	46.2	46.2	47.5	48.0	48.0	49.1	49.3	49.9	50.7
IV 14000	28.9	39.1	41.4	43.3	45.2	45.5	46.2	46.8	46.8	48.2	48.6	48.6	49.7	49.9	50.6	51.3
IV 12000	29.4	40.2	42.6	44.6	46.7	47.0	47.6	48.2	48.3	49.6	50.0	50.1	51.2	51.3	52.0	52.8
IV 10000	30.2	41.2	43.8	45.9	48.1	48.4	49.1	49.7	49.7	51.1	51.5	51.6	52.7	52.9	53.5	54.3
IV 9000	30.4	41.6	44.2	46.3	48.5	48.8	49.5	50.1	50.2	51.5	52.0	52.0	53.1	53.3	54.0	54.8
IV 8000	31.0	42.4	45.1	47.2	49.4	49.7	50.4	51.0	51.1	52.5	52.9	53.0	54.1	54.3	54.9	55.7
IV 7000	31.4	43.0	45.9	48.1	50.4	50.7	51.4	52.0	52.1	53.4	53.9	53.9	55.0	55.2	55.9	56.7
IV 6000	31.9	43.6	46.6	48.9	51.3	51.6	52.3	53.0	53.0	54.4	54.8	54.9	56.0	56.2	56.9	57.7
IV 5000	33.1	45.6	48.0	50.3	52.8	53.1	53.8	54.5	54.6	55.9	56.4	56.5	57.6	57.8	58.4	59.2
IV 4500	33.5	45.7	48.7	51.0	53.6	53.9	54.5	55.3	55.4	56.8	57.3	57.3	58.4	58.6	59.3	60.1
IV 4000	34.3	46.7	49.8	52.2	54.7	55.0	55.6	56.5	56.5	57.9	58.4	58.4	59.5	59.8	60.5	61.3
IV 3500	34.7	47.4	50.5	52.9	55.5	55.8	56.5	57.3	57.4	58.7	59.3	59.3	60.4	60.6	61.3	62.1
IV 3000	35.7	48.7	52.2	54.6	57.3	57.6	58.4	59.2	59.2	60.6	61.1	61.2	62.3	62.5	63.2	64.0
IV 2500	36.9	50.0	53.7	56.2	59.0	59.3	60.2	61.0	61.1	62.4	63.0	63.0	64.1	64.3	65.0	65.8
IV 2000	38.7	52.6	56.3	58.9	62.0	62.4	63.3	64.2	64.3	65.7	66.2	66.3	67.4	67.6	68.3	69.1
IV 1800	39.2	53.5	57.3	59.9	63.0	63.5	64.5	65.4	65.5	66.9	67.5	67.6	68.7	68.9	69.6	70.4
IV 1500	39.9	55.2	59.2	62.2	65.9	66.3	67.4	68.4	68.5	70.0	70.6	70.6	71.8	72.0	72.7	73.5
IV 1200	40.6	57.0	61.4	64.7	68.9	69.4	70.6	71.8	71.9	73.5	74.2	74.2	75.4	75.6	76.3	77.1
IV 1000	41.1	57.7	62.5	65.9	70.4	71.1	72.5	73.6	73.7	75.5	76.1	76.2	77.3	77.5	78.3	79.1
IV 900	41.2	57.9	62.8	66.4	71.5	72.2	73.5	74.7	74.8	76.7	77.4	77.4	78.6	78.8	79.6	80.4
IV 800	41.3	58.1	63.2	66.9	72.5	73.3	74.7	76.0	76.1	78.1	78.8	78.9	80.0	80.2	81.0	81.8
IV 700	41.3	58.3	63.7	67.5	73.6	74.8	76.5	77.7	77.8	80.1	80.9	80.9	82.0	82.3	83.0	83.8
IV 600	41.3	58.5	64.1	67.9	75.1	76.2	78.2	79.8	79.9	82.3	83.2	83.2	84.4	84.7	85.4	86.2
IV 500	41.4	58.7	64.4	68.3	76.2	77.5	80.2	82.0	82.1	84.8	85.7	85.7	86.9	87.2	88.0	88.8
IV 400	41.4	58.7	64.5	68.6	76.9	78.6	82.0	84.2	84.3	87.3	88.3	88.4	89.6	89.8	90.6	91.4
IV 300	41.4	58.7	64.5	68.7	77.2	79.0	82.6	85.1	85.4	88.8	89.8	89.8	91.1	91.4	92.2	93.0
IV 200	41.4	58.7	64.6	68.7	77.4	79.3	82.9	85.6	86.1	89.8	90.9	91.0	92.5	92.8	93.7	94.8
IV 100	41.4	58.7	64.6	68.7	77.5	79.4	83.1	85.7	86.2	89.9	91.2	91.3	92.9	93.2	94.6	95.8
IV 0	41.4	58.7	64.6	68.7	77.5	79.4	83.1	85.8	86.2	90.0	91.3	91.4	93.1	93.4	95.1	100.0

TOTAL NUMBER OF OBSERVATIONS

2974

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	24.9	31.3	33.4	34.6	35.9	36.1	37.4	37.8	37.9	39.3	39.8	39.9	40.7	40.8	42.3	43.4
≥ 20000	27.1	34.5	36.7	38.1	39.6	39.8	41.1	41.6	41.7	43.2	43.8	43.8	44.8	44.9	46.4	47.5
≥ 18000	27.1	34.5	36.7	38.1	39.6	39.8	41.2	41.7	41.8	43.2	43.8	43.9	44.8	45.0	46.5	47.5
≥ 16000	27.2	34.7	36.9	38.3	39.9	40.1	41.4	41.9	42.0	43.5	44.1	44.1	45.1	45.2	46.7	47.8
≥ 14000	27.3	35.1	37.3	38.8	40.4	40.6	41.9	42.4	42.5	44.0	44.6	44.7	45.6	45.7	47.2	48.3
≥ 12000	27.6	35.6	38.1	39.5	41.3	41.5	42.8	43.3	43.4	44.9	45.5	45.6	46.5	46.6	48.2	49.2
≥ 10000	28.0	36.4	38.9	40.5	42.4	42.6	43.9	44.5	44.6	46.1	46.7	46.7	47.6	47.8	49.3	50.4
≥ 9000	28.2	36.7	39.3	40.8	42.6	43.0	44.4	44.9	45.0	46.5	47.1	47.1	48.0	48.2	49.7	50.8
≥ 8000	28.9	37.3	40.0	41.6	43.6	43.8	45.1	45.6	45.7	47.2	47.8	47.8	48.8	49.0	50.5	51.6
≥ 7000	29.3	37.9	40.6	42.2	44.4	44.6	45.9	46.4	46.5	48.0	48.7	48.7	49.6	49.8	51.3	52.4
≥ 6000	29.8	38.6	41.4	43.0	45.2	45.4	46.7	47.2	47.3	48.9	49.5	49.5	50.4	50.6	52.2	53.2
≥ 5000	30.9	39.8	42.7	44.4	46.7	46.9	48.2	48.8	48.9	50.4	51.0	51.0	52.0	52.2	53.7	54.7
≥ 4500	31.2	40.2	43.1	44.9	47.2	47.5	48.9	49.5	49.6	51.1	51.7	51.7	52.7	52.9	54.4	55.5
≥ 4000	31.7	41.3	44.5	46.2	48.7	49.0	50.4	50.9	51.0	52.6	53.2	53.2	54.2	54.4	55.9	57.0
≥ 3500	32.3	42.2	45.3	47.3	49.8	50.1	51.5	52.1	52.2	53.7	54.3	54.3	55.3	55.3	57.0	58.1
≥ 3000	33.7	43.8	47.4	49.3	51.9	52.2	53.9	54.4	54.5	56.2	56.8	56.8	57.8	58.0	59.5	60.6
≥ 2500	34.9	45.2	48.8	50.8	53.7	54.1	55.7	56.3	56.4	58.0	58.6	58.7	59.7	59.9	61.4	62.4
≥ 2000	36.4	47.4	51.0	53.1	56.3	56.8	58.5	59.2	59.3	61.1	61.7	61.7	62.7	62.9	64.4	65.5
≥ 1800	36.9	48.1	51.8	53.9	57.2	57.7	59.5	60.2	60.4	62.1	62.7	62.7	63.7	63.9	65.4	66.5
≥ 1500	37.8	49.4	53.4	55.7	59.3	59.8	61.9	62.9	63.1	64.9	65.5	65.6	66.6	66.8	68.3	69.4
≥ 1200	38.5	50.9	55.3	58.2	62.4	62.9	65.0	66.1	66.3	68.3	68.9	69.0	70.0	70.2	71.8	72.8
≥ 1000	39.0	51.7	56.6	59.6	64.3	64.9	67.1	68.3	68.5	70.6	71.3	71.3	72.4	72.6	74.1	75.2
≥ 900	39.3	52.2	57.3	60.4	65.6	66.2	68.6	69.8	70.0	72.3	73.0	73.0	74.1	74.3	75.9	76.9
≥ 800	39.5	52.7	57.9	61.2	66.8	67.5	70.1	71.4	71.6	74.0	74.7	74.8	76.0	76.2	77.7	78.7
≥ 700	39.6	52.9	58.2	61.6	68.1	68.9	71.8	73.2	73.5	76.5	77.2	77.3	78.4	78.6	80.1	81.2
≥ 600	39.7	53.2	58.5	62.1	69.2	70.2	73.5	75.1	75.4	78.5	79.3	79.4	80.6	80.8	82.3	83.4
≥ 500	39.7	53.3	58.8	62.5	70.0	71.5	75.7	77.7	78.0	81.3	82.1	82.2	83.5	83.7	85.3	86.4
≥ 400	39.7	53.3	58.8	62.5	70.7	72.7	77.6	80.2	80.5	83.9	84.7	84.8	86.1	86.3	88.0	89.0
≥ 300	39.7	53.3	58.9	62.7	71.4	73.5	78.6	81.8	82.2	86.0	86.8	86.9	88.6	88.9	90.6	91.7
≥ 200	39.7	53.3	58.9	62.7	71.4	73.5	78.8	82.2	82.7	87.0	87.8	88.0	90.0	90.2	92.0	93.4
≥ 100	39.7	53.3	58.9	62.7	71.5	73.6	78.9	82.3	82.8	87.2	88.1	88.3	90.6	91.0	92.9	94.9
≥ 0	39.7	53.3	58.9	62.7	71.5	73.6	78.9	82.3	82.8	87.2	88.1	88.3	90.8	91.2	93.5	95.0

TOTAL NUMBER OF OBSERVATIONS

2974

USAF ETAC

FORM  
JUL 64

0-14-5 (OL 1)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

23211

HAMILTON AFB CALIF/SAN RAFAEL

39-70

JEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼
NO CEILING	21.4	26.7	28.2	29.2	30.8	31.0	31.6	32.2	32.4	33.5	33.9	34.0	34.6	34.8	35.9
≥ 20000	23.5	29.7	31.5	32.8	34.9	35.0	35.9	36.6	36.7	38.1	38.6	38.6	39.5	39.7	40.8
IV 18000	23.6	29.8	31.6	32.9	35.0	35.2	36.0	36.7	36.9	38.2	38.7	38.8	39.7	39.9	41.0
IV 16000	23.9	30.1	32.1	33.4	35.6	35.8	36.6	37.3	37.5	38.9	39.4	39.4	40.3	40.5	41.7
IV 14000	24.2	30.6	32.7	34.0	36.3	36.4	37.3	38.0	38.1	39.6	40.0	40.1	41.0	41.2	42.3
IV 12000	24.7	31.4	33.5	34.9	37.3	37.5	38.4	39.2	39.3	40.8	41.3	41.4	42.3	42.5	43.7
IV 10000	25.3	32.4	34.5	36.0	38.6	38.8	39.7	40.5	40.6	42.2	42.7	42.8	43.7	43.9	45.0
IV 9000	25.6	32.7	34.8	36.4	39.0	39.2	40.2	40.9	41.0	42.6	43.1	43.2	44.1	44.3	45.4
IV 8000	25.9	33.3	35.4	37.0	39.7	39.9	40.9	41.7	41.8	43.4	43.9	44.0	44.9	45.1	46.3
IV 7000	26.5	34.1	36.3	37.8	40.5	40.8	41.8	42.6	42.7	44.3	44.8	44.9	45.8	46.0	47.2
IV 6000	26.7	34.5	36.7	38.3	41.0	41.3	42.2	43.1	43.2	44.8	45.3	45.4	46.3	46.5	47.7
IV 5000	27.5	35.5	37.9	39.6	42.3	42.5	43.5	44.3	44.5	46.1	46.6	46.7	47.6	47.8	49.0
IV 4500	28.0	36.1	38.5	40.2	43.0	43.2	44.3	45.1	45.2	46.9	47.4	47.5	48.4	48.6	49.8
IV 4000	28.6	37.1	39.7	41.5	44.4	44.7	45.8	46.6	46.7	48.5	49.0	49.0	49.9	50.2	51.4
IV 3500	29.2	37.8	40.4	42.3	45.3	45.6	46.7	47.6	47.7	49.5	50.0	50.1	51.0	51.2	52.4
IV 3000	30.0	39.1	41.9	44.0	47.1	47.4	48.5	49.4	49.6	51.4	51.9	52.0	52.9	53.1	54.3
IV 2500	30.9	40.6	43.6	45.7	49.1	49.4	50.6	51.5	51.7	53.5	54.0	54.1	55.0	55.3	56.5
IV 2000	32.3	42.3	45.7	48.2	52.1	52.5	54.1	55.1	55.2	57.2	57.7	57.8	58.7	59.0	60.2
IV 1800	32.6	43.2	46.4	49.0	52.9	53.3	54.9	55.9	56.1	58.1	58.6	58.7	59.7	59.9	61.2
IV 1500	33.3	44.6	48.0	50.8	55.0	55.4	57.1	58.3	58.5	60.7	61.3	61.4	62.3	62.5	63.8
IV 1200	33.7	46.0	49.9	53.1	57.7	58.3	60.1	61.4	61.5	64.0	64.5	64.6	65.6	65.8	67.1
IV 1000	34.2	47.1	51.4	55.1	60.2	60.9	63.0	64.4	64.6	67.3	67.9	68.0	69.0	69.3	70.5
IV 900	34.4	47.7	52.1	56.0	61.5	62.2	64.3	65.8	66.0	68.9	69.6	69.7	70.7	70.9	72.2
IV 800	34.7	48.2	52.7	56.8	62.8	63.6	66.2	68.0	68.4	71.5	72.2	72.3	73.3	73.6	74.9
IV 700	34.8	48.6	53.2	57.9	64.3	65.2	68.2	70.2	70.5	73.9	74.6	74.7	75.7	76.0	77.3
IV 600	34.8	48.7	53.3	58.3	65.2	66.2	69.7	71.8	72.2	75.8	76.6	76.7	77.9	78.1	79.4
IV 500	34.8	48.8	53.5	58.9	66.5	67.8	72.0	74.7	75.2	79.0	80.0	80.1	81.4	81.6	83.0
IV 400	34.8	48.8	53.7	59.2	67.4	69.1	74.0	77.3	77.8	82.2	83.3	83.5	84.8	85.0	86.5
IV 300	34.8	48.9	53.8	59.3	67.8	69.5	74.8	78.6	79.2	83.8	85.0	85.3	86.9	87.2	88.8
IV 200	34.8	48.9	53.8	59.3	67.8	69.6	75.0	78.9	79.5	84.5	85.9	86.3	88.2	88.5	90.3
IV 100	34.8	48.9	53.8	59.3	67.8	69.6	75.0	78.9	79.5	84.7	86.2	86.6	88.6	89.1	91.2
IV 0	34.8	48.9	53.8	59.3	67.8	69.6	75.0	78.9	79.5	84.7	86.2	86.6	88.6	89.4	91.9

TOTAL NUMBER OF OBSERVATIONS

2973

USAF ETAC

FORM  
JUL 64

0-14-5 (OL 1)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

23211 HAMILTON AFB CALIF/SAN RAFAEL

19-70

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	20.2	27.6	29.6	31.7	33.6	34.0	34.8	35.3	35.4	35.6	35.8	35.8	35.8	35.8	36.0	36.4
≥ 20000	22.2	32.1	34.6	37.0	39.5	39.9	40.8	41.5	41.6	41.8	42.0	42.0	42.1	42.1	42.4	42.8
≥ 18000	23.3	32.4	35.0	37.5	40.0	40.5	41.4	42.0	42.2	42.4	42.6	42.6	42.7	42.7	43.0	43.4
≥ 16000	23.5	32.9	35.6	38.1	40.6	41.1	42.0	42.7	42.8	43.1	43.3	43.3	43.4	43.4	43.7	44.1
≥ 14000	24.1	33.9	36.9	39.4	42.0	42.5	43.4	44.1	44.2	44.5	44.6	44.6	44.7	44.8	45.0	45.5
≥ 12000	25.0	35.3	38.4	40.9	43.8	44.3	45.4	46.1	46.3	46.6	46.8	46.8	46.9	47.0	47.2	47.7
≥ 10000	25.4	36.0	39.1	41.8	44.7	45.4	46.4	47.2	47.3	47.8	47.9	47.9	48.1	48.1	48.4	48.8
≥ 9000	25.7	36.3	39.5	42.2	45.1	45.8	46.9	47.6	47.8	48.2	48.4	48.4	48.5	48.5	48.8	49.3
≥ 8000	26.2	37.2	40.4	43.3	46.3	46.9	48.0	48.8	48.9	49.4	49.6	49.6	49.7	49.7	50.0	50.5
≥ 7000	26.4	37.5	40.8	43.8	46.8	47.4	48.5	49.3	49.4	49.9	50.1	50.1	50.3	50.3	50.6	51.1
≥ 6000	26.7	38.2	41.5	44.6	47.6	48.3	49.4	50.2	50.3	50.8	51.0	51.0	51.1	51.2	51.5	51.9
≥ 5000	27.1	38.9	42.2	45.5	48.6	49.3	50.5	51.2	51.4	51.9	52.1	52.1	52.2	52.2	52.5	53.0
≥ 4500	27.5	39.3	42.6	45.9	49.1	49.8	51.0	51.8	51.9	52.4	52.6	52.6	52.8	52.8	53.1	53.6
≥ 4000	28.0	40.3	43.8	47.1	50.3	51.0	52.3	53.1	53.2	53.8	54.0	54.0	54.2	54.2	54.5	55.0
≥ 3500	28.4	40.9	44.4	47.8	51.1	51.8	53.0	53.9	54.0	54.6	54.8	54.8	55.0	55.0	55.3	55.8
≥ 3000	28.9	41.8	45.5	48.9	52.4	53.1	54.4	55.3	55.5	56.1	56.3	56.3	56.5	56.5	56.8	57.3
≥ 2500	30.0	43.5	47.3	51.0	54.6	55.4	56.6	57.6	57.8	58.5	58.7	58.7	58.9	58.9	59.2	59.7
≥ 2000	31.2	45.8	49.6	53.7	57.5	58.3	59.9	61.1	61.3	62.1	62.3	62.3	62.5	62.6	62.9	63.3
≥ 1800	31.4	46.3	50.1	54.2	58.0	58.9	60.4	61.6	61.8	62.6	62.8	62.8	63.1	63.1	63.4	63.9
≥ 1500	31.7	47.5	51.5	55.9	59.9	60.8	62.7	64.0	64.2	65.0	65.3	65.3	65.5	65.5	65.8	66.3
≥ 1200	32.3	49.2	53.6	58.5	63.1	64.1	66.2	67.7	67.9	69.0	69.3	69.3	69.6	69.6	69.9	70.4
≥ 1000	32.3	49.9	54.6	60.3	65.5	66.7	69.1	70.8	71.1	72.4	72.8	72.8	73.0	73.0	73.3	73.8
≥ 900	32.5	50.3	55.1	61.1	66.8	67.9	70.5	72.2	72.6	74.1	74.4	74.4	74.7	74.8	75.1	75.5
≥ 800	32.6	50.9	55.9	62.5	68.4	69.8	72.7	74.8	75.2	76.8	77.3	77.3	77.6	77.6	77.9	78.4
≥ 700	32.6	51.5	56.7	63.8	70.3	71.8	75.5	77.8	78.3	80.2	80.7	80.7	81.1	81.1	81.4	81.9
≥ 500	32.6	51.7	57.2	64.7	71.6	73.5	77.7	80.7	81.3	83.5	84.1	84.2	84.6	84.6	84.9	85.4
≥ 500	32.6	51.9	57.6	65.5	73.0	75.3	80.4	83.6	84.4	87.1	87.8	87.9	88.4	88.4	88.8	89.3
≥ 400	32.6	52.0	57.7	65.7	73.4	76.1	81.7	85.4	86.3	89.5	90.3	90.5	91.1	91.3	91.7	92.3
≥ 300	32.6	52.0	57.7	65.7	73.5	76.3	82.1	86.1	87.1	90.9	92.0	92.2	93.0	93.3	93.8	94.6
≥ 200	32.6	52.0	57.7	65.8	73.6	76.3	82.2	86.4	87.4	91.5	92.8	93.1	94.2	94.5	95.2	96.6
≥ 100	32.6	52.0	57.7	65.8	73.6	76.4	82.3	86.4	87.4	91.6	92.9	93.2	94.4	94.8	95.8	98.1
≥ 0	32.6	52.0	57.7	65.8	73.6	76.4	82.3	86.4	87.4	91.6	92.9	93.2	94.5	94.9	96.0	100.0

USAF ETAC

FORM  
JUL 64

0-14-5 (OL 1)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

TOTAL NUMBER OF OBSERVATIONS

2975



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

## CEILING VERSUS VISIBILITY

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70  
YEARS

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	23.2	31.0	33.7	36.2	38.1	38.6	39.1	39.3	39.3	39.4	39.4	39.4	39.5	39.5	39.5	39.6
≥ 20000	27.7	39.1	41.4	44.6	46.8	47.5	48.1	48.4	48.5	48.6	48.6	48.6	48.7	48.7	48.7	48.8
IV 18000	28.1	39.7	42.1	45.4	47.7	48.3	49.0	49.4	49.4	49.5	49.5	49.6	49.6	49.6	49.7	49.7
IV 16000	28.7	40.4	43.0	46.2	48.5	49.2	49.9	50.3	50.3	50.5	50.5	50.5	50.5	50.5	50.6	50.6
IV 14000	29.1	41.6	44.4	47.8	50.2	50.9	51.6	52.0	52.0	52.2	52.2	52.2	52.2	52.2	52.3	52.3
IV 12000	29.8	43.1	46.3	49.8	52.4	53.1	53.9	54.3	54.4	54.5	54.5	54.5	54.5	54.6	54.6	54.7
IV 10000	30.4	43.9	47.3	50.9	53.7	54.4	55.3	55.7	55.7	55.8	55.8	55.9	55.9	55.9	56.0	56.0
IV 9000	30.5	44.1	47.5	51.2	53.9	54.7	55.6	56.0	56.1	56.2	56.2	56.2	56.3	56.3	56.3	56.4
IV 8000	30.9	44.8	48.3	52.1	54.9	55.7	56.6	57.0	57.1	57.2	57.2	57.3	57.3	57.3	57.4	57.4
IV 7000	31.1	45.3	48.8	52.6	55.4	56.2	57.2	57.6	57.6	57.8	57.8	57.8	57.9	57.9	57.9	58.0
IV 6000	31.4	45.8	49.4	53.2	56.1	57.0	57.9	58.4	58.4	58.6	58.6	58.6	58.6	58.6	58.7	58.7
IV 5000	32.0	46.6	50.4	54.2	57.1	58.0	58.9	59.4	59.4	59.6	59.6	59.6	59.6	59.6	59.7	59.7
IV 4500	32.2	46.9	50.7	54.6	57.5	58.4	59.4	59.8	59.8	60.0	60.0	60.0	60.1	60.1	60.1	60.2
IV 4000	32.6	47.4	51.2	55.2	58.2	59.1	60.0	60.5	60.5	60.7	60.7	60.7	60.7	60.7	60.8	60.8
IV 3500	33.2	48.6	52.6	56.6	59.8	60.7	61.7	62.1	62.2	62.4	62.5	62.5	62.5	62.5	62.6	62.6
IV 3000	34.4	50.5	54.6	58.7	62.0	62.9	63.9	64.3	64.4	64.6	64.7	64.7	64.8	64.8	64.9	64.9
IV 2500	35.6	52.6	56.8	61.2	64.6	65.6	66.6	67.1	67.2	67.4	67.5	67.5	67.6	67.6	67.7	67.7
IV 2000	37.2	55.4	59.8	64.5	68.4	69.5	70.7	71.4	71.4	71.8	72.0	72.0	72.1	72.1	72.2	72.3
IV 1800	37.5	56.0	60.6	65.5	69.5	70.5	71.7	72.5	72.5	72.8	73.0	73.1	73.2	73.2	73.3	73.3
IV 1500	38.0	57.5	62.5	67.7	72.2	73.3	74.6	75.4	75.4	75.8	76.0	76.1	76.2	76.2	76.3	76.3
IV 1200	38.4	59.3	64.7	70.8	75.6	76.7	78.3	79.3	79.3	79.8	80.1	80.1	80.3	80.3	80.4	80.4
IV 1000	38.6	60.3	66.0	72.4	77.8	79.1	80.8	81.9	82.0	82.6	82.9	83.0	83.1	83.2	83.2	83.3
IV 900	38.7	60.7	66.6	73.3	78.9	80.3	82.1	83.2	83.3	84.0	84.3	84.4	84.5	84.6	84.7	84.7
IV 800	38.7	61.3	67.3	74.6	80.7	82.2	84.5	86.0	86.1	87.2	87.5	87.6	87.8	87.8	87.9	88.0
IV 700	38.7	61.5	68.0	75.8	82.3	84.1	86.7	88.3	88.5	89.8	90.2	90.3	90.4	90.5	90.6	90.6
IV 600	38.7	61.8	68.3	76.6	83.7	85.6	88.6	90.3	90.6	92.2	92.6	92.6	92.8	92.9	93.0	93.0
IV 500	38.7	61.9	68.6	77.3	84.9	87.1	90.6	92.6	93.0	94.7	95.1	95.2	95.4	95.5	95.6	95.6
IV 400	38.7	61.9	68.6	77.4	85.2	87.7	91.5	93.9	94.3	96.4	96.9	97.0	97.3	97.3	97.6	97.7
IV 300	38.7	61.9	68.6	77.5	85.4	87.9	92.0	94.5	95.1	97.2	97.7	97.9	98.4	98.5	98.7	98.8
IV 200	38.7	61.9	68.6	77.5	85.4	87.9	92.0	94.6	95.2	97.5	98.1	98.3	98.9	99.0	99.2	99.4
IV 100	38.7	61.9	68.6	77.5	85.4	87.9	92.0	94.6	95.2	97.5	98.1	98.4	98.9	99.1	99.3	99.9
IV 0	38.7	61.9	68.6	77.5	85.4	87.9	92.0	94.6	95.2	97.5	98.1	98.4	98.9	99.1	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 2973



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

22211

HAMILTON AFB CALIF. SAN RAFAEL

39-70

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	28.5	38.0	40.3	42.4	43.7	44.0	44.4	44.7	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.9
≥ 20000	32.8	45.2	48.3	51.0	52.7	53.2	53.7	54.1	54.2	54.2	54.3	54.3	54.3	54.3	54.3	54.5
≥ 18000	33.3	46.1	49.3	52.0	53.7	54.2	54.7	55.1	55.2	55.2	55.2	55.2	55.3	55.3	55.3	55.4
≥ 16000	33.8	47.0	50.3	53.0	54.7	55.2	55.7	56.1	56.2	56.3	56.3	56.3	56.3	56.3	56.4	56.5
≥ 14000	34.7	48.9	52.2	55.1	56.9	57.5	58.0	58.5	58.6	58.6	58.6	58.6	58.7	58.7	58.7	58.8
≥ 12000	35.7	50.5	54.1	57.0	59.0	59.5	60.1	60.6	60.7	60.7	60.8	60.8	60.8	60.8	60.8	61.0
≥ 10000	36.1	51.1	54.8	57.8	59.8	60.3	60.9	61.4	61.5	61.6	61.6	61.6	61.6	61.6	61.7	61.8
≥ 9000	36.2	51.3	55.0	57.9	60.1	60.6	61.2	61.7	61.8	61.8	61.8	61.8	61.9	61.9	61.9	62.0
≥ 8000	36.6	52.1	56.0	59.0	61.2	61.7	62.4	62.9	63.0	63.1	63.1	63.1	63.1	63.1	63.2	63.3
≥ 7000	36.9	52.6	56.5	59.6	61.8	62.3	62.9	63.5	63.6	63.7	63.7	63.7	63.7	63.7	63.8	63.9
≥ 6000	37.3	53.2	57.1	60.2	62.4	62.9	63.5	64.1	64.2	64.3	64.4	64.4	64.4	64.4	64.4	64.6
≥ 5000	37.9	54.0	57.9	61.1	63.5	64.1	64.8	65.3	65.4	65.5	65.6	65.6	65.6	65.6	65.6	65.8
≥ 4500	38.1	54.4	58.3	61.5	63.9	64.5	65.2	65.8	65.9	66.0	66.0	66.0	66.1	66.1	66.1	66.2
≥ 4000	38.7	55.2	59.2	62.5	65.0	65.6	66.3	66.9	67.0	67.1	67.1	67.1	67.1	67.1	67.2	67.3
≥ 3500	39.2	55.9	60.1	63.4	65.9	66.6	67.4	68.0	68.1	68.2	68.3	68.3	68.3	68.3	68.3	68.5
≥ 3000	40.8	58.3	62.5	66.0	68.6	69.2	70.1	70.7	70.8	71.0	71.0	71.0	71.1	71.1	71.1	71.3
≥ 2500	42.0	60.6	64.9	68.5	71.2	71.9	72.8	73.5	73.6	73.8	73.8	73.8	73.9	73.9	73.9	74.1
≥ 2000	43.2	63.1	67.6	71.7	74.5	75.2	76.4	77.3	77.5	77.7	77.7	77.8	77.9	77.9	77.9	78.1
≥ 1800	43.5	63.8	68.3	72.4	75.3	76.0	77.2	78.1	78.3	78.6	78.6	78.7	78.8	78.8	78.8	78.9
≥ 1500	43.9	65.3	70.0	74.3	77.3	78.1	79.3	80.5	80.8	81.1	81.2	81.3	81.3	81.3	81.4	81.5
≥ 1200	44.5	67.1	72.1	77.0	80.3	81.2	82.7	83.8	84.1	84.5	84.6	84.7	84.8	84.8	84.8	85.0
≥ 1000	44.8	68.1	73.3	78.5	82.1	83.1	84.9	86.1	86.4	87.1	87.2	87.3	87.5	87.5	87.6	87.7
≥ 900	44.9	68.9	74.3	79.7	83.4	84.5	86.4	87.9	88.1	89.1	89.3	89.3	89.5	89.6	89.6	89.8
≥ 800	44.9	69.3	74.9	80.7	84.9	86.0	88.4	90.1	90.4	91.6	91.7	91.8	92.0	92.1	92.2	92.3
≥ 700	45.0	69.6	75.3	81.7	86.1	87.3	90.0	91.9	92.2	93.4	93.7	93.7	94.0	94.1	94.2	94.3
≥ 600	45.0	69.7	75.6	82.2	87.2	88.4	91.4	93.3	93.6	94.8	95.1	95.2	95.5	95.6	95.7	95.8
≥ 500	45.0	69.9	75.8	82.7	87.9	89.2	92.8	94.7	95.1	96.4	96.8	96.9	97.2	97.3	97.4	97.5
≥ 400	45.0	69.9	75.8	82.9	88.2	89.7	93.4	95.6	95.9	97.3	97.7	97.8	98.1	98.3	98.4	98.5
≥ 300	45.0	69.9	75.8	82.9	88.2	89.7	93.6	95.8	96.2	97.7	98.2	98.4	98.8	98.9	99.0	99.2
≥ 200	45.0	69.9	75.8	82.9	88.2	89.8	93.6	95.8	96.2	97.8	98.4	98.5	98.9	99.1	99.2	99.3
≥ 100	45.0	69.9	75.8	82.9	88.2	89.8	93.6	95.8	96.2	97.8	98.4	98.5	99.0	99.1	99.3	99.5
≥ 0	45.0	69.9	75.8	82.9	88.2	89.8	93.6	95.8	96.2	97.8	98.4	98.5	99.0	99.1	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 2973

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

23211

HAMILTON AFB CALIF/SAN RAFAEL

39-70

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1400-2000  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	33.3	42.9	45.6	47.5	49.1	49.4	50.4	50.6	50.6	50.8	50.9	50.9	51.0	51.0	51.1	51.4
≥ 20000	36.3	47.8	50.8	52.6	54.8	55.2	56.3	56.6	56.6	56.8	56.9	57.0	57.1	57.1	57.1	57.5
≥ 18000	36.6	48.2	51.3	53.1	55.2	55.6	56.8	57.1	57.1	57.3	57.4	57.4	57.5	57.5	57.6	57.9
≥ 16000	36.9	48.7	51.9	53.7	55.8	56.3	57.4	57.7	57.7	57.9	58.0	58.0	58.1	58.1	58.2	58.6
≥ 14000	37.5	49.8	55.3	57.6	58.0	59.2	59.5	59.5	59.7	59.8	59.8	59.9	59.9	59.9	60.0	60.4
≥ 12000	38.8	51.7	57.3	59.6	60.1	61.3	61.6	61.6	61.8	61.9	62.0	62.1	62.1	62.1	62.2	62.5
≥ 10000	39.1	52.4	58.3	60.7	61.2	62.3	62.7	62.7	62.9	63.0	63.1	63.2	63.2	63.2	63.3	63.6
≥ 9000	39.4	52.7	58.6	61.0	61.5	62.7	63.1	63.1	63.3	63.4	63.5	63.6	63.6	63.6	63.7	64.0
≥ 8000	40.1	53.0	59.6	62.1	62.6	63.9	64.3	64.3	64.5	64.6	64.7	64.8	64.8	64.8	64.9	65.2
≥ 7000	40.7	54.4	60.7	63.1	63.7	64.9	65.3	65.3	65.6	65.8	65.8	65.9	65.9	65.9	66.0	66.4
≥ 6000	41.1	55.0	61.3	63.8	64.3	65.5	66.0	66.0	66.3	66.5	66.5	66.6	66.6	66.6	66.7	67.0
≥ 5000	41.6	55.6	62.1	64.6	65.1	66.5	67.0	67.0	67.3	67.4	67.5	67.6	67.6	67.6	67.7	68.0
≥ 4500	42.0	56.3	62.7	65.4	65.9	67.4	67.8	67.8	68.1	68.3	68.3	68.4	68.4	68.4	68.5	68.8
≥ 4000	42.9	57.4	64.0	66.7	67.2	68.6	69.1	69.1	69.4	69.6	69.6	69.7	69.7	69.7	69.8	70.1
≥ 3500	43.2	57.9	64.6	67.4	67.9	69.3	69.8	69.8	70.2	70.3	70.3	70.4	70.4	70.4	70.5	70.9
≥ 3000	44.4	59.6	66.6	69.7	70.3	71.6	72.2	72.2	72.5	72.7	72.7	72.8	72.8	72.8	72.9	73.3
≥ 2500	45.3	61.0	68.2	71.3	71.9	73.3	73.9	73.9	74.2	74.4	74.4	74.5	74.5	74.5	74.6	74.9
≥ 2000	46.6	62.9	70.7	74.2	74.8	76.4	77.0	77.0	77.4	77.5	77.6	77.7	77.7	77.7	77.8	78.1
≥ 1800	47.0	63.6	71.5	75.1	75.7	77.3	77.9	78.0	78.4	78.6	78.6	78.7	78.7	78.7	78.8	79.2
≥ 1500	47.6	64.7	73.0	76.9	77.5	79.2	79.9	80.1	80.5	80.7	80.7	80.8	80.8	80.8	80.9	81.2
≥ 1200	48.5	67.1	76.0	80.1	80.9	83.0	83.8	84.0	84.5	84.7	84.7	84.8	84.8	84.8	84.9	85.2
≥ 1000	48.7	67.8	76.9	81.7	82.7	84.9	85.8	86.1	86.6	86.8	86.8	86.9	86.9	86.9	87.0	87.4
≥ 900	48.8	68.2	77.8	83.2	84.1	86.6	87.5	87.8	88.4	88.6	88.6	88.7	88.7	88.7	88.8	89.2
≥ 800	49.1	68.7	78.8	84.7	85.7	88.4	89.5	89.8	90.6	90.9	90.9	91.0	91.0	91.0	91.1	91.5
≥ 700	49.2	68.9	79.3	85.2	87.0	89.9	91.1	91.3	92.3	92.6	92.6	92.7	92.8	92.8	92.9	93.2
≥ 600	49.2	69.2	79.8	87.2	88.3	91.6	92.9	93.2	94.2	94.5	94.5	94.6	94.6	94.6	94.7	95.1
≥ 500	49.2	69.2	80.0	87.7	89.2	92.7	94.0	94.3	95.4	95.7	95.7	95.8	95.9	95.9	96.0	96.3
≥ 400	49.2	69.2	80.0	87.8	89.4	93.1	94.5	94.9	96.1	96.4	96.4	96.5	96.6	96.6	96.7	97.0
≥ 300	49.2	69.2	80.0	87.8	89.6	93.3	94.9	95.4	96.7	97.0	97.1	97.2	97.3	97.3	97.4	97.7
≥ 200	49.2	69.2	80.0	87.8	89.6	93.4	95.0	95.5	96.9	97.3	97.3	97.7	97.8	97.8	97.9	98.3
≥ 100	49.2	69.2	80.0	87.9	89.7	93.5	95.1	95.7	97.2	97.6	97.6	98.1	98.2	98.2	98.5	98.9
≥ 0	49.2	69.2	80.0	87.9	89.7	93.5	95.2	95.7	97.2	97.6	97.7	98.2	98.3	98.3	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 2969

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

23211 HAMILTON AFB CALIF/SAN RAFAEL

39-70

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING	31.3	40.3	43.3	44.9	46.9	47.2	48.1	48.4	48.5	49.0	49.2	49.2	49.5	49.6	49.9	50.6
IV 20000	33.5	43.7	46.9	48.5	50.9	51.3	52.2	52.6	52.8	53.3	53.5	53.7	53.8	53.9	54.2	54.9
IV 18000	33.8	44.1	47.3	48.9	51.3	51.7	52.6	53.0	53.2	53.7	53.9	53.9	54.2	54.3	54.6	55.3
IV 16000	34.1	44.4	47.6	49.2	51.6	52.1	52.9	53.3	53.5	54.0	54.2	54.2	54.5	54.6	54.9	55.7
IV 14000	34.4	44.9	48.4	50.0	52.6	53.0	53.8	54.2	54.4	54.9	55.2	55.2	55.4	55.5	55.8	56.6
IV 12000	35.1	46.2	49.9	51.5	54.4	54.8	55.7	56.1	56.3	56.8	57.0	57.0	57.3	57.4	57.7	58.4
IV 10000	35.9	47.3	51.4	53.1	56.1	56.5	57.4	57.8	58.0	58.5	58.8	58.8	59.0	59.1	59.4	60.2
IV 9000	36.2	47.7	51.7	53.5	56.5	56.9	57.8	58.2	58.4	58.9	59.2	59.2	59.4	59.5	59.8	60.6
IV 8000	36.8	48.3	52.6	54.3	57.4	57.8	58.7	59.2	59.3	59.9	60.1	60.1	60.4	60.5	60.8	61.5
IV 7000	37.2	49.1	53.3	55.1	58.2	58.6	59.5	60.0	60.1	60.7	60.9	60.9	61.2	61.3	61.6	62.4
IV 6000	37.7	49.8	54.0	55.8	58.9	59.3	60.2	60.7	60.9	61.4	61.6	61.6	61.9	62.1	62.4	63.1
IV 5000	38.1	50.5	54.9	56.8	60.0	60.4	61.3	61.8	62.0	62.5	62.8	62.8	63.0	63.2	63.5	64.2
IV 4500	38.5	51.0	55.5	57.4	60.6	61.1	62.0	62.5	62.6	63.2	63.4	63.4	63.7	63.8	64.1	64.8
IV 4000	39.5	52.2	56.7	58.7	62.0	62.5	63.4	63.9	64.1	64.6	64.8	64.8	65.1	65.3	65.6	66.3
IV 3500	39.8	52.9	57.6	59.6	63.0	63.5	64.4	64.9	65.1	65.6	65.9	65.9	66.1	66.3	66.6	67.3
IV 3000	41.0	54.7	59.6	61.6	65.2	65.7	66.6	67.1	67.3	67.8	68.0	68.0	68.3	68.5	68.8	69.5
IV 2500	41.8	56.0	60.9	63.0	66.6	67.1	68.1	68.6	68.7	69.3	69.5	69.5	69.8	69.9	70.2	70.9
IV 2000	43.4	58.3	63.5	65.8	69.7	70.7	71.3	71.9	72.1	72.7	72.9	72.9	73.2	73.4	73.7	74.4
IV 1800	43.6	58.9	64.0	66.3	70.4	70.9	72.1	72.6	72.8	73.4	73.7	73.7	74.0	74.1	74.4	75.2
IV 1500	44.6	60.6	66.0	68.3	73.0	73.5	74.8	75.5	75.7	76.3	76.6	76.6	76.9	77.0	77.4	78.1
IV 1200	45.7	62.6	68.1	70.9	76.0	76.6	78.1	78.9	79.2	79.9	80.2	80.2	80.5	80.6	80.9	81.7
IV 1000	45.9	63.4	69.1	72.2	77.7	78.4	80.1	81.0	81.3	82.2	82.5	82.5	82.8	82.9	83.2	84.0
IV 900	46.0	63.8	69.6	72.7	78.7	79.4	81.3	82.2	82.5	83.4	83.7	83.7	84.0	84.2	84.5	85.3
IV 800	46.2	64.1	70.1	73.3	79.8	80.5	82.6	83.7	83.9	84.9	85.3	85.3	85.6	85.8	86.1	86.8
IV 700	46.2	64.4	70.5	73.8	81.0	81.8	84.0	85.1	85.4	86.6	87.0	87.0	87.3	87.4	87.8	88.5
IV 600	46.2	64.5	70.7	74.0	82.1	82.9	85.5	86.8	87.1	88.4	88.7	88.7	89.1	89.2	89.5	90.2
IV 500	46.3	64.6	70.8	74.4	82.9	84.0	87.1	88.5	88.9	90.3	90.6	90.6	91.0	91.1	91.4	92.2
IV 400	46.3	64.6	70.9	74.6	83.7	85.0	88.4	89.9	90.3	92.0	92.5	92.5	92.9	93.0	93.4	94.1
IV 300	46.3	64.6	70.9	74.7	83.9	85.3	88.9	90.6	91.1	93.1	93.6	93.6	94.1	94.3	94.7	95.4
IV 200	46.3	64.6	70.9	74.8	84.1	85.6	89.1	90.9	91.5	93.7	94.3	94.3	95.1	95.3	95.8	96.6
IV 100	46.3	64.6	70.9	74.8	84.1	85.6	89.2	91.0	91.6	93.9	94.6	94.6	95.5	95.7	96.4	97.3
IV 0	46.3	64.6	70.9	74.8	84.1	85.6	89.2	91.0	91.6	93.9	94.6	94.6	95.5	95.7	96.7	97.3

TOTAL NUMBER OF OBSERVATIONS 2970

USAF ETAC FORM 3-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PART D

## SKY COVER

This summary is prepared from hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover, and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.
2. By month - by standard 3-hour groups.

NOTE: # 1: Sky cover (total cloud amount) was not reported by U. S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: # 2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

<u>OKTAS</u>	<u>TENTHS</u>
0	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8 (or obscured)	10

3  
DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SKY COVER

23211

HAMILTON AFB CALIF/SAN RAFAEL

46-70

ALL

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	24.7	3.8	3.8	3.1	2.9	2.1	2.8	3.6	4.8	4.1	44.5	6.0	18588
FEB		27.0	4.6	4.0	3.7	3.2	2.2	3.2	3.9	5.5	3.7	39.2	5.7	16941
MAR		30.3	5.0	4.9	4.1	3.5	3.1	3.9	4.7	6.5	4.9	29.2	5.0	18586
APR		34.7	5.9	5.4	4.6	3.8	2.8	3.7	4.5	5.7	4.0	25.1	4.5	17993
MAY		39.0	6.5	5.6	4.6	4.0	3.1	3.4	4.0	5.4	3.9	20.5	3.9	18592
JUN		51.1	6.5	5.4	4.1	2.9	2.3	2.5	3.1	3.6	2.8	15.8	3.0	17990
JUL		65.4	5.5	3.9	3.2	2.1	1.5	1.9	2.0	2.2	1.5	10.7	2.0	18594
AUG		59.9	6.2	4.2	3.0	2.3	1.7	2.2	2.2	2.7	2.1	13.4	2.5	18590
SEP		59.7	5.3	4.6	3.3	2.9	1.9	2.4	2.6	3.0	2.1	12.2	2.4	17992
OCT		48.1	5.5	4.4	4.1	2.9	2.1	2.9	3.2	4.1	3.3	19.5	3.5	18593
NOV		32.2	4.9	4.5	3.6	3.1	2.4	3.3	3.6	5.1	4.6	32.7	5.0	17993
DEC		21.7	3.8	4.3	3.4	3.1	2.2	2.7	3.8	4.6	4.0	46.4	6.3	18591
TOTALS		41.2	5.3	4.6	3.7	3.1	2.3	2.9	3.4	4.4	3.4	25.8	4.2	219043

USAFETAC

FORM  
JUL 64 0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

3  
DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

SKY COVER

23211 HAMILTON AFB CALIF/SAN RAFAEL

46-70

JAN

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JAN	00-02	32.9	3.1	3.7	3.4	2.7	1.9	2.6	2.3	3.7	2.1	41.6	5.4	2322
	03-05	27.9	2.4	3.6	3.8	2.6	1.4	2.8	2.9	3.4	2.2	47.1	5.9	2325
	06-08	18.5	3.7	3.6	2.8	2.3	2.0	2.7	4.0	4.6	4.6	51.4	6.7	2325
	09-11	17.0	3.7	2.7	2.1	2.7	2.1	2.1	3.3	5.4	5.4	53.6	7.0	2324
	12-14	17.5	4.4	3.4	3.4	2.4	2.3	2.7	5.5	6.2	6.1	46.3	6.6	2323
	15-17	19.0	4.9	4.3	3.0	3.1	3.1	3.5	3.6	6.5	6.5	42.5	6.3	2324
	18-20	29.5	4.6	4.4	3.5	4.0	2.4	2.8	3.8	4.7	3.2	37.1	5.3	2324
	21-23	34.9	3.2	4.3	2.9	3.2	1.8	3.3	3.2	3.9	2.8	36.6	5.1	2321
TOTALS		24.7	3.8	3.8	3.1	2.9	2.1	2.8	3.6	4.8	4.1	44.5	6.0	18588

USAFETAC

FORM  
JUL 64 0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.



## SKY COVER

46-70

FEB

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
FEB	00-02	38.3	3.9	4.1	2.3	3.1	1.3	2.6	3.3	3.2	2.6	35.1	4.8	2118
	03-05	34.4	3.0	3.3	2.9	2.5	1.4	3.1	2.8	4.0	2.2	40.5	5.3	2117
	06-08	21.4	5.3	4.1	2.5	2.7	2.0	2.4	3.1	5.1	3.6	47.9	6.3	2117
	09-11	19.2	4.6	2.6	3.4	3.0	2.0	2.8	3.5	6.3	4.1	48.5	6.6	2118
	12-14	18.4	5.1	3.1	4.3	3.7	3.0	3.6	5.0	8.0	5.9	40.0	6.3	2118
	15-17	17.6	5.2	4.8	4.7	4.1	3.6	4.3	5.7	7.0	5.5	37.5	6.1	2118
	18-20	27.8	5.3	5.4	5.4	3.8	2.4	3.9	4.2	5.6	3.8	32.4	5.2	2118
	21-23	38.5	4.1	4.6	3.6	2.3	1.9	2.5	3.9	4.5	2.2	31.9	4.6	2117
TOTALS		27.0	4.6	4.0	3.7	3.2	2.2	3.2	3.9	5.5	3.7	39.2	5.7	16941

**USAFETAC**

FORM 0-9-5 (OL-A)  
JUL 64

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

## SKY COVER

MAR

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
MAR	00-02	42.3	5.3	4.7	3.2	2.7	2.2	3.3	3.2	4.4	3.0	25.6	4.1	2320
	03-05	40.1	4.1	4.0	3.4	2.6	2.0	3.4	4.0	4.4	3.2	28.8	4.4	2323
	06-08	23.1	4.9	4.5	3.4	2.8	2.6	2.3	6.1	6.7	5.9	33.7	5.7	2325
	09-11	21.9	4.9	3.6	3.1	3.3	4.0	4.4	5.0	8.1	7.3	34.5	5.9	2322
	12-14	19.8	5.1	4.9	4.4	4.3	4.1	4.9	5.4	9.3	7.3	30.5	5.8	2324
	15-17	20.7	5.7	6.0	4.7	4.6	4.0	4.5	4.9	8.6	6.5	29.8	5.6	2325
	18-20	30.7	6.0	6.1	5.2	4.2	3.0	3.3	5.1	5.9	4.4	26.0	4.7	2325
	21-23	41.8	4.0	5.4	5.0	3.3	2.7	4.7	4.1	4.5	1.9	22.5	3.9	2322
TOTALS		30.3	5.0	4.9	4.1	3.5	3.1	3.9	4.7	6.5	4.9	29.2	5.0	18586

FORM 0-9-5 (OL A)  
11/74

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## SKY COVER

46-70

APR

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
APR	00-02	50.1	5.1	5.2	3.3	2.6	1.3	2.8	3.4	2.8	1.8	21.6	3.4	2249
	03-05	42.6	5.3	6.1	3.6	3.2	2.2	2.9	3.1	3.2	2.7	25.0	3.9	2250
	06-08	27.3	5.9	4.9	4.9	3.9	2.4	3.4	4.9	6.4	4.5	31.3	5.2	2249
	09-11	24.0	5.9	5.7	5.2	4.2	3.9	4.1	5.1	7.6	6.3	28.2	5.3	2249
	12-14	24.5	6.0	5.1	4.6	4.7	4.3	4.8	6.1	9.3	5.6	25.1	5.2	2250
	15-17	25.9	6.7	5.7	5.2	4.7	2.3	3.9	5.6	7.3	4.9	26.9	5.0	2248
	18-20	33.3	6.4	6.3	5.9	3.9	2.5	4.4	4.1	5.8	3.5	23.9	4.4	2248
	21-23	49.5	5.8	4.5	4.4	2.8	2.4	3.1	3.4	3.2	2.4	18.6	3.3	2250
TOTALS		34.7	5.9	5.4	4.4	3.8	2.8	3.7	4.5	5.7	4.0	25.1	4.5	17993



USAFETAC

FORM  
7115-62

0-9-5. (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SKY COVER

23211 HAMILTON AFB CALIF/SAN RAFAEL

46-70

MAY

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
MAY	00-02	50.7	5.5	4.6	3.1	3.2	2.1	2.8	2.7	3.7	1.6	20.1	3.3	2323
	03-05	37.9	5.5	5.2	4.5	3.9	2.3	3.0	3.6	4.3	3.5	26.4	4.3	2325
	06-08	29.8	5.3	4.7	4.3	3.8	3.3	3.1	3.9	5.5	4.6	31.7	5.1	2323
	09-11	31.5	5.4	3.9	4.6	5.1	4.0	4.2	4.9	6.8	5.4	24.1	4.7	2324
	12-14	35.2	6.6	6.5	5.0	4.7	3.7	4.6	4.7	6.8	5.4	16.8	4.0	2324
	15-17	35.8	8.1	6.7	5.4	4.0	4.3	3.8	5.2	6.2	4.4	16.0	3.8	2325
	18-20	39.4	8.8	7.1	5.3	4.0	2.8	3.6	4.0	6.3	4.3	14.5	3.5	2324
	21-23	51.9	7.0	6.0	4.3	3.4	2.0	2.3	3.2	3.4	1.9	14.4	2.8	2324
TOTALS		39.0	6.5	5.6	4.6	4.0	3.1	3.4	4.0	5.4	3.9	20.5	3.9	18592



FORM 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

## SKY COVER

**JUN**

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JUN	00-02	57.9	4.4	4.5	3.3	1.9	1.3	2.1	2.1	2.8	1.8	17.7	2.8	2247
	03-05	45.3	5.3	4.5	3.4	2.1	1.9	1.8	2.4	3.2	2.8	26.8	3.9	2250
	06-08	38.8	6.7	3.5	3.6	2.3	1.8	2.2	3.1	4.6	4.1	29.4	4.4	2230
	09-11	46.6	7.6	5.3	4.0	3.2	2.8	2.1	3.5	4.1	3.3	17.3	3.3	2249
	12-14	54.1	6.1	6.0	4.6	3.6	2.7	2.8	3.3	4.0	2.7	10.1	2.6	2249
	15-17	52.4	7.9	6.5	4.8	3.2	2.6	3.1	4.0	3.8	3.6	8.0	2.5	2247
	18-20	52.3	7.2	6.9	5.1	3.5	3.3	3.1	3.6	4.1	2.7	8.3	2.5	2249
	21-23	61.2	7.0	5.6	4.0	3.4	1.6	2.8	2.3	1.9	1.4	8.8	2.0	2249
TOTALS		51.1	6.5	5.4	4.1	2.9	2.3	2.5	3.1	3.6	2.8	15.8	3.0	17990

**USAFETAC**

FORM 0-9-5 (OL A)  
JUN 64

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

## SKY COVER

JUL

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JUL	00-02	66.6	3.9	3.6	3.5	2.3	1.6	2.0	1.7	2.5	1.0	11.2	2.0	2329
	03-05	46.1	5.5	3.8	3.4	2.1	1.3	2.3	2.3	3.1	2.5	27.7	3.9	2324
	06-08	36.9	6.4	4.5	4.5	2.4	1.9	2.3	3.0	3.4	3.4	31.3	4.5	2324
	09-11	60.9	8.0	5.7	4.2	3.2	2.1	2.5	3.2	2.3	2.2	5.5	1.9	2325
	12-14	77.9	4.6	3.7	2.2	2.2	1.7	1.7	1.3	1.4	.8	2.6	1.0	2325
	15-17	78.3	5.1	3.4	2.7	1.5	1.3	1.7	1.2	1.5	.9	2.3	.9	2325
	18-20	76.8	6.3	2.9	2.8	1.7	1.2	1.4	2.2	1.7	.8	2.2	1.0	2322
	21-23	79.3	4.0	3.7	2.6	1.7	1.0	1.6	1.2	1.3	.6	2.9	.9	2324
TOTALS		65.4	5.5	3.9	3.2	2.1	1.5	1.9	2.0	2.2	1.5	10.7	2.0	18594

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.



## SKY COVER

**AUG**

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)



USAFETAC

FORM 0-9-5 (OL A)  
JUL 64

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

3  
DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

SKY COVER

23211

HAMILTON AFB CALIF/SAN RAFAEL

46-70

SEP

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
SEP	00-02	65.3	3.6	4.4	2.8	2.0	1.3	1.5	2.6	2.3	1.1	13.1	2.2	2249
	03-05	53.7	3.9	4.1	3.0	2.4	2.0	2.4	2.4	2.5	1.8	21.8	3.3	2250
	06-08	39.0	5.2	5.1	3.5	3.4	2.4	2.3	2.9	3.6	3.0	29.6	4.4	2249
	09-11	52.2	6.6	5.4	4.0	3.2	2.1	2.5	3.9	3.9	2.9	13.3	2.9	2248
	12-14	64.1	5.4	4.8	3.7	3.3	1.9	2.6	2.4	3.3	2.5	6.0	1.9	2250
	15-17	65.0	5.7	4.7	3.6	3.7	2.4	3.0	2.8	2.8	2.3	4.0	1.7	2246
	18-20	66.4	7.5	4.4	3.2	3.0	1.7	2.7	2.0	3.0	2.3	3.9	1.6	2250
	21-23	72.0	4.7	4.1	2.7	2.3	1.2	1.8	2.1	2.2	1.2	5.6	1.5	2250
TOTALS		59.7	5.3	4.6	3.3	2.9	1.9	2.4	2.6	3.0	2.1	12.2	2.4	17992

USAFETAC

FORM  
JUL 64

0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

## SKY COVER

uct

STATION

STATION NAME

11900

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
Oct	00-02	59.1	3.5	3.1	2.8	1.7	1.5	2.0	2.0	2.7	2.0	19.6	2.9	2324
	03-05	52.7	3.0	3.0	2.8	2.1	1.6	2.2	2.2	3.5	2.2	24.7	3.6	2324
	06-08	35.8	5.2	3.6	4.3	2.8	2.1	2.7	4.2	5.5	3.7	30.1	4.7	2325
	09-11	37.8	6.3	3.8	4.5	3.2	2.6	3.3	4.0	4.9	5.1	24.4	4.3	2323
	12-14	43.4	6.3	5.2	4.6	3.3	2.8	3.3	3.9	5.2	4.9	17.0	3.6	2325
	15-17	43.1	7.5	6.2	4.9	3.8	2.8	3.7	3.7	4.9	4.6	14.6	3.4	2325
	18-20	53.3	6.5	5.9	4.9	3.8	2.2	3.0	3.1	3.3	2.0	12.1	2.6	2323
	21-23	59.5	5.5	4.3	0.7	2.5	1.3	2.9	2.5	2.4	2.2	13.1	2.5	2324
TOTALS		48.1	3.5	4.4	4.1	2.9	2.1	2.9	3.3	4.1	3.3	19.5	3.5	18592

**USAFETAC**

FORM 0-9-5 (OL A)  
JUL 64

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

## SKY COVER

NOV

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS. OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
NOV	00-02	42.7	3.9	4.0	3.1	2.4	1.9	2.6	2.4	3.8	3.1	30.2	4.3	2248
	03-05	38.4	3.1	3.5	3.1	2.7	1.5	3.1	2.5	3.4	2.2	36.4	4.9	2250
	06-08	24.0	4.7	4.4	3.6	2.4	2.7	3.5	3.7	5.5	5.8	39.8	5.9	2250
	09-11	22.9	5.4	3.6	3.4	3.3	2.7	3.0	3.7	6.3	5.4	40.4	6.0	2249
	12-14	23.5	7.5	4.5	3.7	3.6	2.3	4.0	5.0	5.7	6.2	33.5	5.5	2247
	15-17	25.4	5.6	6.6	3.9	3.9	3.1	3.4	4.4	6.4	7.4	29.9	5.3	2250
	18-20	36.5	4.8	5.1	4.3	3.6	2.4	3.8	4.1	5.4	3.9	26.1	4.4	2250
	21-23	44.2	4.5	4.1	3.6	3.1	1.8	3.2	2.8	4.1	2.4	25.6	4.0	2249
TOTALS		32.2	4.9	4.5	3.6	3.1	2.4	3.3	3.6	5.1	4.6	32.7	5.0	17993

USAFÉTAC

FORM 0-9-5 (OL A)  
JUL 64

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## SKY COVER

DEC

STATION

STATION NAME

PERIOD

MONTHS

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
DEC	00-02	27.3	3.6	2.9	2.8	3.1	1.9	2.3	3.4	3.8	2.9	46.0	5.9	2323
	03-05	25.3	2.9	3.7	3.4	2.6	1.3	2.2	2.9	3.7	2.6	49.6	6.2	2324
	06-08	17.6	2.8	4.1	2.6	2.4	2.3	1.8	3.3	4.8	4.3	54.1	6.9	2324
	09-11	13.5	3.7	3.5	2.9	2.5	2.2	2.4	4.1	4.8	5.1	53.4	7.0	2324
	12-14	15.1	4.6	4.7	3.2	3.6	2.6	3.3	5.7	5.6	6.4	45.3	6.7	2325
	15-17	16.1	5.1	5.5	4.9	4.2	3.2	3.1	3.6	6.5	5.2	42.5	6.3	2325
	18-20	26.1	4.2	5.2	4.7	3.7	2.2	4.0	3.8	4.3	3.4	38.2	5.5	2323
	21-23	30.7	3.6	4.4	2.7	2.9	1.9	2.6	3.8	3.1	2.4	41.7	5.5	2323
TOTALS		21.7	3.8	4.3	3.4	3.1	2.2	2.7	3.8	4.6	4.0	46.4	6.3	18591

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE (MAC)  
ASHEVILLE, NORTH CAROLINA

## PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
  - a. Daily maximum temperature
  - b. Daily minimum temperature
  - c. Daily mean temperature
2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:
  - a. Extreme maximum temperature
  - b. Extreme minimum temperature

- NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.
3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:
  - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.



- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ( $\sum X^2$ ), sums of values ( $\sum X$ ), means ( $\bar{X}$ ), and standard deviations ( $\sigma_x$ ). The number of observations used in the computations for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:
  - a. Dry-bulb temperature
  - b. Wet-bulb temperature
  - c. Dew-point temperature
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
  - a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
  - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

### DAILY TEMPERATURES

AIR WEATHER SERVICE/MAC

23211 HAMILTON AFB CALIF/SAN RAFAEL

39-70

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

MAXIMUM

[illegible]

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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

23211 HAMILTON AFB CALIF/SAN RAFAEL

39-70

# DAILY TEMPERATURES

STATION

STATION NAME

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

MINIMUM

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
65					.1	.1		.1	.5				.1
60				.1	.6	2.5	1.1	1.7	4.5	.4	.1		.9
55	.8	1.7	.7	.9	3.5	18.8	20.3	19.9	23.1	11.1	2.8	1.7	8.8
50	7.6	11.3	6.6	11.6	33.9	68.8	78.9	77.8	66.6	40.3	18.0	9.3	36.1
45	23.2	30.4	32.8	51.0	81.6	98.0	99.9	99.9	95.6	79.3	44.5	25.6	63.7
40	42.6	61.9	73.7	89.3	98.7	100.0	100.0	100.0	100.0	93.7	72.1	51.6	82.3
35	68.7	86.8	96.2	99.1	100.0					99.8	92.2	78.8	93.5
33	79.1	93.7	98.1	99.8						100.0	96.1	86.5	96.1
30	90.4	98.4	99.9	100.0							98.9	95.5	98.6
25	99.6	100.0	100.0								100.0	99.8	99.9
20	100.0											100.0	100.0
15													
10													
5													
0													
MEAN	38.7	41.4	42.4	44.5	47.8	51.3	51.9	52.0	51.5	48.2	43.4	40.1	46.1
S D	7.072	6.122	4.702	4.181	3.870	3.39	2.994	3.161	4.408	4.872	6.258	6.669	875
TOTAL OBS	960	876	992	960	992	30	992	992	999	981	960	992	586

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# DAILY TEMPERATURES

23211 HAMILTON AFB CALIF/SAN RAFAEL 39-70

STATION

STATION NAME

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

MEAN

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
85									.1				.0
80					.2	.9	.2	.2	1.4				.2
75					.7	4.2	2.2	1.9	5.4	.1			1.2
70				.6	3.4	12.7	14.0	11.6	16.2	3.3			5.2
65			.3	4.7	11.4	35.4	55.1	53.8	51.5	16.4	.5		19.3
60	.1	.9	5.1	18.7	45.5	82.8	96.6	97.6	91.2	57.6	8.3	1.1	42.4
55	7.6	16.6	29.0	57.8	88.4	99.4	100.0	100.0	99.9	92.0	38.5	10.0	61.9
50	27.9	55.0	74.1	90.8	99.3	100.0			100.0	99.5	76.6	33.8	79.9
45	60.0	87.9	97.4	99.6	100.0					100.0	96.1	67.2	92.4
40	88.1	96.9	99.9	100.0							99.8	94.8	98.5
35	99.1	100.0	100.0								100.0	99.7	99.9
30	100.0											100.0	100.0
25													
20													
15													
10													
5													
0													
MEAN	46.2	50.0	52.3	55.5	59.4	63.8	65.5	65.3	65.2	60.4	53.0	47.4	57.0
S D	5.465	4.483	4.226	4.625	4.634	4.999	3.810	3.590	4.854	4.414	4.306	5.144	5.312
TOTAL OBS	960	878	992	960	992	130	992	992	959	981	960	992	1586

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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/1AC

# EXTREME VALUES

MAXIMUM TEMPERATURE  
(FROM DAILY OBSERVATIONS)

23211 HAMILTON AFB CALIF/SAN RAFAEL 39-70  
STATION NAME YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN	FEB	MAR.	APR.	MAY	JUN	JUL	AUG.	SEP	OCT.	NOV.	DEC.	ALL MONTHS
37			81	87	94	99	99	97	102		75	67	
40	68	66	74	81	86	88	95	98	87	89	71	70	99
41	68	69	74	75	91		92	94	98	96	73	65	
42	67	71	74	71	93	92	94	83	98	89	72	64	96
43	66	70	71	76	97	98	96	96	102	90	79	73	102
44	65	69	80	72	87	93	86	99		87	66	61	
45	61	67	75	87	74	99	97	93	93	90	77	64	94
46	62	67	76	90	99	94	94	102	96	84	72	61	102
47	64	72	74	59	90	98	94	96	101	90	71	72	101
48	60	71	68	73	79	96	102	93	97	89	72	63	102
49	60	62	73	82	90	97	91	90	101	89	81	65	101
50	61	68	77	85	102	92	94	97	104	88	82	64	104
51	64	66	81	79	97	91	93	93	99	86	76	62	99
52	60	68	81	84	93	89	92	93	98	93	73	61	98
53	65	70	77	76	82	93	93	90	97	87	70	72	97
54	63	70	74	84	89	98	102	89	92	82	69	61	102
55	59	65	78	73	90	94	87	94	100	82	83	83	100
56	58	66	72	78	92	97	84	88	90	78	77	70	97
57	59	60	70	86	84	97	95	90	99	77	67	60	97
58	64	65	66	84	87	92	80	93	94	91	74	70	94
59	64	72	74	81	89	95	101	96	86	89	79	66	101
60	63	67	79	83	87	105	88	86	94	83	76	63	105
61	64	67	73	80	78	106	100	94	91	91	76	60	106
62	77	60	69	80	92	94	90	93	88	82	74	62	95
63	61	71	68	70	82	83	93	92	96	81	67	58	96
64	63	75	75	87	77	90	98	93	97	87	67	64	98
65	58	65	72	84	79	85	80	89	85		72	56	87
66		60	80	84	85	99	87	90	95	86	78	64	94
67	67	64	64	60	86	80	91	87	93	87	80	76	93
68	68	70	76	84	83	93	93	94	95	81	71	60	95
MEAN													
S D													
TOTAL OBS													

## EXTREME VALUES

23211	HAMILTON AFB CALIF/SAN RAFAEL	39-70
STATION	STATION NAME	

\*HOLE DEGREES FAHRENHEIT

[illegible]

USAF ETAC FORM 0-88.5 (OU)



## EXTREME VALUES

23211      HAMILTON AFB CALIF/SAN RAFAEL  
STATION      STATION NAME

39-70

YEARS

[illegible]

USAF ETAC FORM 0-88-5 (OIL)

3

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## EXTREME VALUES

MINIMUM TEMPERATURE  
(FROM DAILY OBSERVATIONS)

23211 HAMILTON AFB CALIF/SAN RAFAEL 39-70

STATION

STATION NAME

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
30			37	40	40	42	45	47	48		32	29	
40	29	34	34	41	41	49	46	45	47	38	30	26	26
41	32	38	38	39	42		47	46	44	30	28	29	
42	27	30	32	33	40	42	49	44	45	41	29	32	27
43	28	31	35	40	41	44	47	48	46	37	34	29	26
44	24	31	31	37	41	45	46	45		43	33	32	
45	29	33	32	38	43	45	46	46	45	41	36	23	28
46	27	21	36	40	44	48	49	48	45	33	32	30	27
47	25	33	39	40	41	47	47	48	40	43	21	28	25
48	24	26	32	31	40	49	46	48	42	39	31	26	24
49	23	28	31	40	42	48	46	47	47	35	40	28	23
50	25	25	32	39	37	42	46	45	43	40	40	38	25
51	25	29	30	39	44	44	48	48	49	38	33	30	29
52	27	32	34	39	40	42	50	46	47	41	29	36	27
53	33	31	34	37	42	46	47	49	49	40	40	30	30
54	30	33	32	38	43	47	47	49	45	40	32	34	30
55	30	32	34	36	44	44	48	46	43	43	35	35	30
56	32	31	36	41	45	46	50	50	49	39	35	29	29
57	27	30	39	42	48	50	69	48	48	45	35	33	27
58	34	39	36	42	40	51	49	50	47	42	29	33	29
59	28	30	40	40	43	49	51	50	47	45	34	29	28
60	25	34	26	34	41	40	46	45	42	40	33	30	25
61	27	34	33	34	38	40	48	46	41	37	28	30	27
62	24	29	34	38	43	45	45	45	45	41	36	26	24
63	23	39	31	35	40	46	45	48	48	39	36	28	23
64	21	30	30	31	36	44	44	46	40	40	28	29	21
65	27	33	36	36	39	44	45	46	40		33	24	
66		30	28	37	42	43	47	47	45	37	32	26	
67	31	32	32	34	37	40	48	47	50	42	32	26	28
68	25	34	35	35	37	44	45	48	46	37	33	23	23
MEAN													
S.D.													
TOTAL OBS.													

## EXTREME VALUES

### MINIMUM TEMPERATURE

39-70

WHOLE DEGREES FAHRENHEIT

[illegible]

USAF ETAC FORM 0-88-5 (OLI)  
JUL 64

## EXTREME VALUES

MINIMUM TEMPERATURE  
(FROM DAILY OBSERVATIONS)

YEARS

WHOLE DEGREES PARALLELIT  
/BASED ON LESS THAN FULL MONTHS/

[illegible]

USAF ETAC ICF\* 0-88-5 (OLI)

3

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

23211 HAMILTON AFB CALIF/SAN RAFAEL

39-70

YEARS

ALL

MONTH

PAGE 1

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																							TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point						
106/105														.0				.0	4	4							
104/103														.0				.0	7	7							
102/101												.0		.0		.0	.0	.0	14	14							
100/99												.0	.0	.0		.0	.0	.0	38	38							
98/97									.0	.0	.0	.0	.0	.0		.0	.0	.0	74	74							
96/95								.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	140	140							
94/93							.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	204	204							
92/91					.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	299	299							
90/89				.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	491	491							
88/87				.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	708	708							
86/85				.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	1039	1039							
84/83				.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	1367	1368	5	1					
82/81				.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	1723	1724	6	3					
80/79				.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	2626	2628	30	3					
78/77			.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	3436	3442	57	10					
76/75			.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	4709	4711	116	26					
74/73			.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	5539	5541	215	57					
72/71	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	6572	6579	505	92					
70/69		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	8210	8215	1375	181					
68/67	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	8844	8853	2728	339					
66/65	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	10050	10056	5303	702					
64/63	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	11222	11229	8476	1302					
62/61	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	13262	13268	11858	2885					
60/59	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	17848	17862	15417	6179					
58/57	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	21507	21529	19118	10937					
56/55	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	25568	25595	25578	17536					
54/53	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	29349	29363	29279	24902					
52/51	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	23404	23421	30694	29725					
50/49	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	21467	21482	29480	2120					
48/47	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	16410	16414	24539	29808					
46/45	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	13814	13816	21017	26114					
44/43	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	10973	10976	15917	22254					
42/41	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	7602	7603	12207	18949					
40/39	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	5539	5539	9316	14245					
Element (X)	Σ X <sup>2</sup>		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ						
Rel. Hum.																											
lb																											
lb																											
Dew Point																											

FORM 0-26-5 (OLA) REVISION 17 15 EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

3

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

23211 HAMILTON AFB CALIF/SAN RAFAEL

70

ALL

STATION

STATION NAME

YEARS

MONTH

PAGE 2

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL		TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point			
38/ 37	.3	.7	.2	.1	.0	.0												3550	3552	5643	11470			
36/ 35	.2	.5	.1	.0	.0	.0												2467	2467	3954	8463			
34/ 33	.1	.3	.1	.0	.0													1384	1384	2334	6049			
32/ 31	.1	.2	.0	.0	.0													834	834	1474	4401			
30/ 29	.0	.1	.0	.0	.0													401	401	798	3171			
28/ 27	.0	.0	.0															146	146	363	1912			
26/ 25	.0	.0	.0															35	35	130	1521			
24/ 23	.0	.0																12	12	34	899			
22/ 21																				8	634			
20/ 19																					308			
18/ 17																					252			
16/ 15																					164			
14/ 13																					112			
12/ 11																					58			
10/ 9																					47			
8/ 7																					40			
6/ 5																					36			
4/ 3																					24			
2/ 1																					14			
0/ -1																					8			
-2/ -3																					2			
TOTAL	5.9	29.7	22.1	14.1	9.7	6.7	4.5	2.8	1.8	1.0	.7	.4	.3	.2	.1	.1	.0	278163	277988	277994	277975			
			</																					

FORM 0-26-5 (OL A) REVERSED BY 10-65

FORM 0-26-5 (OL A)

USAFETAC





DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

23211

HAMILTON AFB CALIF/SAN RAFAEL

40-70

JAN

STATION

STATION NAME

**YEARS**

PAGE 2

MONTH

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point			
47 - 3																						14		
2/ 1																						9		
0/ -1																						8		
-2/ -3																						2		
TOTAL	17.2	45.3	20.1	9.3	4.2	2.1	1.1	.3	.2	.0		.0								23049		23045		
																				23047		23047		
Element (X)	Zx²	Zx	X	Sz	No. Obs.	Mean No. of Hours with Temperature						Total												
Rel. Hum.	161304942	1894310	82.2	15.586	23046	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total												
Wet Bulb	50112563	1062013	46.1	7.152	23049		25.5	.5	.0			744												
Dry Bulb	44699369	1002899	43.5	6.773	23047		46.4					744												
Dew Point	39265760	931296	40.4	8.410	23043	.4	120.5					744												

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23211 HAMILTON AFB CALIF/SAN RAFAEL

40-70

FEB

STATION

STATION NAME

YFA:AS

MONTH

PAGE 1

ALL

HOURS (L. S. °)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B.-W.B.	TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31			Dry Bulb	Wet Bulb	Dew Point
76/ 75												.0							1	1		
74/ 73											.0	.0							2	2		
72/ 71							.0	.0	.0	.0	.0	.0							8	8		
70/ 69					.0	.0	.0	.0	.0	.0	.0	.0							35	35		
68/ 67			.0	.0	.0	.1	.1	.0	.0	.0	.0	.0							77	77		
66/ 65			.0	.1	.1	.2	.1	.1	.0	.0	.0	.0							172	172		
64/ 63		.0	.1	.3	.3	.2	.1	.1	.0	.0	.0	.0							263	263		
62/ 61		.1	.4	.4	.4	.3	.2	.2	.1	.0	.0	.0							474	474	33	2
60/ 59	.1	.7	1.0	.9	.7	.6	.4	.3	.1	.0	.0	.0							1006	1006	136	34
58/ 57	.2	1.9	1.4	1.4	.9	.5	.4	.2	.1	.0	.0	.0							1461	1461	511	162
56/ 55	.6	3.0	2.0	1.9	.9	.5	.3	.1	.0	.0	.0	.0							1954	1954	1132	576
54/ 53	.9	3.6	2.7	1.6	.8	.4	.3	.1	.0	.0	.0	.0							2186	2186	1637	1054
52/ 51	.9	4.0	2.7	1.5	.7	.2	.1	.0	.0	.0	.0	.0							2154	2154	2014	1320
50/ 49	1.0	4.4	3.4	1.3	.5	.2	.1	.0	.0	.0	.0	.0							2293	2293	2447	1639
48/ 47	.7	4.5	2.8	1.2	.4	.2	.1	.0	.0	.0	.0	.0							2078	2078	2526	1823
46/ 45	1.1	5.4	1.8	.8	.2	.1	.0	.0	.0	.0	.0	.0							2010	2010	2747	2195
44/ 43	1.0	4.0	1.5	.5	.2	.1	.0	.0	.0	.0	.0	.0							1521	1521	2363	2494
42/ 41	1.1	3.3	1.2	.4	.1	.0	.0	.0	.0	.0	.0	.0							1297	1297	1843	2402
40/ 39	.9	1.9	.8	.1	.0	.0	.0	.0	.0	.0	.0	.0							793	793	1407	1825
38/ 37	.6	1.5	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0							575	575	914	1440
36/ 35	.5	.9	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0							371	371	692	1173
34/ 33	.2	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0							175	175	329	910
32/ 31	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0							70	70	166	638
30/ 29	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0							22	22	75	489
28/ 27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0							7	7	26	231
26/ 25																					6	192
24/ 23																						124
22/ 21																						108
20/ 19																						51
18/ 17																						49
16/ 15																						23
14/ 13																						23
12/ 11																						11
10/ 9																						9
Element (X)	$\Sigma x^2$		$\Sigma x$		$\bar{x}$		$s_x$		No. Obs.		Mean No. of Hours with Temperature										Total	
Ref. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F						
21b																						
11b																						
Dew Point																						

FORM 0-26-5 (OL A) JUL 64

USAFETAC

## PSYCHROMETRIC SUMMARY

YEARS

FEB  
MONTH

ALL

HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
8/ 7 6/ 5																							6 4									
TOTAL	10.1	40.1	22.8	12.7	8.5	3.7	2.2	1.2	.5	.2	.0	.0							21009	21009	21009	21007										
																			21009		21009											
Element (X)	$\Sigma x^2$		$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature										Total															
Rel. Hum.	135600626		1651292	78.6	16.613	21007	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																				
t-lb	52978863		1044965	49.7	6.911	2109		3.2	3.9	.1				672																		
w-lb	45843624		973260	46.3	6.000	2109		8.7						672																		
Dew Point	39397976		895856	42.6	7.538	21007		62.6						672																		

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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

23211 HAMILTON AFB CALIF/SAN RAFAEL

39-70

MAR

STATION

STATION NAME

YEARS

MONTH

PAGE 1

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				T.O.A.L D.B.W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bu'd	Dew Point				
86/ 85										.0	.0	.0						2	2					
84/ 83										.0	.0							2	2					
82/ 81										.0	.0		.0	.0				8	8					
80/ 79									.0	.0	.0	.0	.0	.0	.0			17	17					
78/ 77									.0	.0	.0	.0	.0	.0	.0			32	32					
76/ 75							.0	.1	.1	.0	.0	.0	.0	.0	.0			57	57					
74/ 73				.0	.0	.0	.0	.1	.1	.1	.1	.1	.0	.0	.0			138	138					
72/ 71				.0	.0	.1	.1	.1	.1	.1	.1	.1	.0	.0	.0			165	165					
70/ 69				.0	.1	.2	.2	.3	.2	.1	.1	.1	.0					241	241	1				
68/ 67		.0		.1	.2	.4	.3	.2	.1	.1	.1	.1	.0					341	341	1				
66/ 65			.0	.1	.4	.5	.3	.3	.2	.1	.0							428	428	10				
64/ 63		.0	.0	.4	.7	.6	.4	.3	.2	.1								615	615	31				
62/ 61		.0	.2	.7	.9	.7	.5	.3	.2	.0	.0							807	807	128				
60/ 59		.2	.8	1.4	1.4	.7	.5	.2	.1	.0								1274	1274	271				
58/ 57	.1	.7	1.4	1.9	1.5	.7	.4	.2	.0									1635	1636	596				
56/ 55	.1	2.0	2.3	2.2	1.5	.7	.2	.2	.0									2163	2164	1230				
54/ 53	.2	2.6	3.0	2.2	1.2	.5	.1	.1										2310	2310	1843				
52/ 51	.2	3.6	3.6	1.9	1.0	.4	.1	.0										2562	2562	2521				
50/ 49	.6	4.6	4.2	1.9	.6	.2	.1	.0										2873	2878	3159				
48/ 47	.5	4.7	3.1	1.5	.4	.1	.0											2436	2438	3440				
46/ 45	.4	4.3	2.3	1.1	.2	.1	.0											2019	2019	3334				
44/ 43	.4	3.4	1.7	.5	.0	.0												1465	1465	2486				
42/ 41	.6	2.3	1.0	.2	.0	.0												997	997	2022				
40/ 39	.5	1.4	.7	.1	.0													641	641	1353				
38/ 37	.3	.8	.2	.0														311	312	747				
36/ 35	.2	.4	.1	.0														166	166	382				
34/ 33	.1	.1	.0	.0														54	54	159				
32/ 31	.0	.0	.0															20	20	56				
30/ 29		.0																2	2	10				
28/ 27		.0																1	1	2				
26/ 25																				1				
24/ 23																								
22/ 21																								
20/ 19																								
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature							Total						
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
lb																								
lb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OL A) REVISED 10-64 EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

23211

HAMILTON AFB CALIF/SAN RAFAEL

39-70

MAR

STATION

STATION NAME

YEARS

MONTH

PAGE 2

ALL

HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point
18/ 17																					32
16/ 15																					12
14/ 13																					3
12/ 11																					1
10/ 9																					1
TOTAL	4.0	31.2	24.8	16.2	10.1	5.8	3.2	2.3	1.3	.6	.3	.2	.1	.0					23792		23783
																		23782		23783	
Element (X)	Zx²	Zx	X̄	sₓ	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.	133801190	1736460	73.0	17.171	23782	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
lb	65351615	1234033	51.9	7.519	792		.7	31.4	8.0	.5		744									
lb	53827234	1123854	47.3	5.502	83		2.2	.1				744									
Dew Point	44123275	1012543	42.6	6.533	23783		51.1	.0				744									

REVISED 11-82 EDITIONS OF THIS FORM ARE OBSOLETE

D.26.5 (OLA)

Q&A

**USAFETAC**



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23211 HAMILTON AFB CALIF/SAN RAFAEL

39-70

YEARS

APR

MONTH

PAGE 1

ALL  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point						
88/ 87																			5	5							
86/ 85							.0	.0	.0	.0	.0	.0	.0	.0					27	27							
84/ 83						.0	.0	.0	.0	.0	.0	.0	.0	.0		.0			47	47							
82/ 81						.0	.0	.0	.1	.0	.1	.0	.0	.0		.0			62	62							
80/ 79					.0	.0	.0	.1	.1	.1	.1	.0	.0	.0					100	100							
78/ 77				.0	.0	.1	.1	.2	.1	.1	.1	.0	.0						186	186							
76/ 75				.0	.0	.1	.2	.2	.2	.1	.1	.0	.0						215	215							
74/ 73				.0	.1	.1	.2	.3	.2	.1	.1	.0	.0						260	260	4						
72/ 71				.1	.1	.3	.3	.3	.2	.1	.0	.0							303	303	10						
70/ 69		.0	.0	.1	.3	.5	.4	.3	.2	.1	.0	.0							456	456	35	4					
68/ 67			.0	.2	.6	.8	.6	.3	.2	.1	.0								630	631	49	11					
66/ 65		.0	.1	.4	.8	1.0	.6	.3	.1	.0	.0								777	777	153	25					
64/ 63		.0	.2	.8	1.2	1.0	.5	.3	.1	.0	.0								952	954	272	34					
62/ 61		.1	.4	1.3	1.5	1.0	.5	.2	.1	.0									1166	1166	423	67					
60/ 59		.2	1.0	2.0	2.0	1.0	.3	.1	.0	.0									1491	1492	717	145					
58/ 57	.0	.7	1.6	2.2	1.7	.7	.2	.0	.0										1649	1652	1100	299					
56/ 55	.2	1.5	2.8	2.4	1.4	.5	.1	.0											2027	2031	1696	632					
54/ 53	.1	2.2	3.9	2.1	.9	.2	.0	.0											2154	2157	2168	1009					
52/ 51	.2	3.8	4.1	1.8	.6	.1	.0	.0											2441	2445	2704	1493					
50/ 49	.4	5.2	4.1	1.4	.3	.1	.0												2640	2641	3389	2228					
48/ 47	.4	4.5	2.9	.8	.2	.0	.0												2027	2027	3344	3075					
46/ 45	.5	4.1	1.5	.4	.1	.0													1518	1518	2823	3452					
44/ 43	.5	2.6	.8	.2	.0														953	953	1950	3198					
42/ 41	.3	1.4	.4	.0															514	514	1114	2656					
40/ 39	.2	.7	.2	.0															248	248	646	1713					
38/ 37	.1	.4	.0																114	114	274	1242					
36/ 35	.0	.1	.0																34	34	111	786					
34/ 33	.0	.0																	8	8	20	384					
32/ 31		.0																	2	2	4	226					
30/ 29	.0																		1	1	1	149					
28/ 27																						63					
26/ 25																						48					
24/ 23																						28					
22/ 21																						24					
Element (X)	Σ X²				Σ X				Σ				σ²				No. Obs.				Mean No. of Hours with Temperature						
Rel. Hum.																					≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
lb																											
lb																											
Dew Point																											

USAFETAC  
FORM 0-26-5 (OL A)  
JUL 64  
REVISION 7  
EDITIONS OF THIS FORM ARE OBSOLETE

3

YEARS

APR

**MONTH**

ALL

HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
20 / 19																						5										
18 / 17																						7										
16 / 15																						3										
TOTAL	2.9	27.5	24.0	16.2	11.8	7.6	4.2	2.5	1.6	.8	.5	.2	.2	.1	.0				23026		23004											
																		23007		23007												
Element (X)	Zx²	Zx	X̄	sₓ	No. Obs.	Mean No. of Hours with Temperature						Total																				
Rel. Hum.	125309024	1654118	71.9	16.645	23005	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																					
lb	70768776	1261466	54.8	8.491	126		.1	71.7	28.2	5.8		720																				
#lb	57473631	1142221	49.6	5.770	107		.2	3.1	.1			720																				
Dew Point	47353753	1034559	43.0	5.994	42004		17.3	.5				720																				

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23211 HAMILTON AFB CALIF/SAN RAFAEL

39-70

MAY

STATION

STATION NAME

YEARS

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ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point							
100/ 99															.0	.0		2	2									
98/ 97																	.0	3	3									
96/ 95											.0		.0	.0		.0		5	5									
94/ 93											.0		.0	.0	.0	.0		13	13									
92/ 91									.0		.0	.0	.0	.0	.0	.0		18	18									
90/ 89							.0		.0	.0	.0	.0	.0	.0	.0	.0		43	43									
88/ 87								.0	.0	.1	.1	.0	.0	.0	.0	.0		62	62									
86/ 85							.0	.0	.0	.1	.1	.1	.1	.0	.0			85	85									
84/ 83				.0		.0	.0	.0	.1	.1	.1	.1	.1	.0				106	107									
82/ 81				.0	.0	.0	.1	.1	.1	.1	.1	.0	.0	.0				137	137									
80/ 79				.0	.0	.0	.1	.1	.2	.2	.1	.1	.0					199	199									
78/ 77			.0	.0	.0	.1	.2	.2	.2	.2	.1	.0	.0					250	252	2								
76/ 75			.0	.0	.1	.2	.3	.4	.3	.1	.1	.0						360	361	6	1							
74/ 73			.0	.0	.2	.4	.4	.4	.2	.1	.1	.0						420	420	18	1							
72/ 71			.0	.1	.4	.7	.6	.4	.2	.1	.0							601	605	31	5							
70/ 69			.0	.3	.7	1.1	.8	.4	.2	.0	.0							840	842	97	10							
68/ 67			.1	.5	1.2	1.3	.8	.4	.2	.0	.0							1030	1033	183	16							
66/ 65			.2	1.1	1.8	1.4	.9	.3	.1	.0	.0							1355	1359	314	41							
64/ 63		.1	.4	1.7	1.7	1.6	.6	.2	.0	.0								1480	1483	614	81							
62/ 61		.1	.8	2.0	2.0	1.1	.4	.1	.0									1532	1538	912	190							
60/ 59	.0	.4	1.8	2.6	1.6	.7	.2	.0										1761	1765	1503	395							
58/ 57	.0	1.2	3.1	2.5	1.2	.4	.1	.0										2001	2010	1943	672							
56/ 55	.1	2.5	4.1	2.1	.7	.2	.0											2309	2319	2590	1200							
54/ 53	.1	3.4	4.6	1.4	.4	.1	.0											2367	2374	3180	2008							
52/ 51	.2	4.4	3.7	1.2	.2	.0	.0											2322	2332	3374	2751							
50/ 49	.3	4.4	2.9	.5	.1	.0												1940	1947	3284	3442							
48/ 47	.3	3.2	1.5	.3	.0													1273	1273	2542	3542							
46/ 45	.2	2.3	.6	.1	.0													751	751	1720	3348							
44/ 43	.1	.9	.2	.0														285	285	842	2427							
42/ 41	.1	.3	.1	.0														110	110	386	1629							
40/ 39	.0	.1	.1															44	44	125	924							
38/ 37	.0	.0	.0															9	9	39	518							
36/ 35		.0																1	1	9	255							
34/ 33																		1	1	1	149							
Element (X)	Σ X <sup>2</sup>		Σ X		X̄		σ <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature												1b	2b	Total			
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F							
1b																												
2b																												
Dew Point																												

USAFETAC FORM 0-26-5 (OL A) JUL 64

EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

39-70

MAY  
MONTH

PAGE 2

ALL

HOURS (L, S, T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
32/ 31																					65			
30/ 29																					21			
28/ 27																					11			
26/ 25																					6			
24/ 23																					2			
22/ 21																					3			
TOTAL	1.4	23.3	24.2	16.4	12.2	9.3	5.4	3.1	1.8	1.0	.8	.4	.3	.2	.1	.0	.0	23714	23787	23713				
																		23714	23715					
Element (X)	Z <sub>X</sub> <sup>2</sup>	Z <sub>X</sub>	X̄	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						Total												
Rel. Hum.	124575380	1673962	70.6	16.430	23712	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total												
lb	83110556	1390078	58.4	8.881	23787			131.0	53.4	18.3		744												
lb	66535529	1248893	52.7	5.681	23713			10.6	.8			744												
Dew Point	55268851	1137241	48.0	3.542	23713		3.4	1.0	.1			744												

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

23211  
STATI

HAMILTON AFB CALIF/SAN RAFAEL

39-40, 42-70

JUN

STATION NAME

YEARS

PAGE 1

**MONTH**

811

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B. W.S.	Dry Bulb	Wet Bulb	Dew Point															
106/105														.0			.0	2	2																	
104/103														.0	.0		.0	3	3																	
102/101														.0			.0	3	3																	
100/99												.0		.0		.0	.0	2	2																	
98/97									.0		.0	.0		.0	.0	.0	.0	19	19																	
96/95									.0	.0	.0	.0	.0	.0	.0	.0	.0	38	38																	
94/93									.0	.0	.0	.0	.0	.0	.0	.0	.0	51	51																	
92/91					.0		.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	78	78																	
90/89				.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.0	117	117																	
88/87				.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.0	.0	140	140																	
86/85				.0	.0	.0	.0	.1	.1	.2	.2	.2	.2	.1	.1	.0	.0	217	217																	
84/83				.0	.0	.0	.0	.1	.2	.2	.2	.1	.1	.1	.0	.0	.0	232	232	3	1															
82/81				.0	.0	.1	.1	.2	.2	.2	.2	.1	.0	.0				251	252	2	2															
80/79				.0	.0	.1	.2	.4	.4	.3	.2	.1	.0	.0				419	420	13	1															
78/77			.0	.0	.1	.2	.5	.5	.4	.3	.1	.1	.0	.0				522	522	21	6															
76/75			.0	.1	.2	.5	.9	.5	.6	.3	.1	.0	.0					703	704	33	7															
74/73			.0	.1	.4	.9	1.0	.7	.4	.1	.0	.0						816	816	61	17															
72/71			.1	.2	.6	1.4	1.0	.7	.3	.1	.0							974	974	140	27															
70/69		.0	.1	.5	1.3	1.6	1.3	.6	.2	.1	.0							1293	1293	243	42															
68/67	.0	.0	.2	.7	1.9	1.8	1.0	.3	.1	.0	.0							1318	1318	433	78															
66/65		.0	.4	1.3	2.2	1.5	.6	.1	.0	.0								1394	1394	741	145															
64/63		.1	.6	2.0	1.9	1.1	.4	.0	.0									1381	1381	1168	214															
62/61	.0	.3	1.1	2.6	1.6	.6	.2	.0										1395	1395	1667	412															
60/59	.0	.7	2.7	2.8	1.3	.3	.0											1755	1755	2111	769															
58/57	.0	1.6	4.2	2.3	.7	.1	.0											1994	1994	2363	1233															
56/55	.1	3.0	5.1	1.7	.3	.0	.0											2280	2280	2983	1791															
54/53	.1	4.1	4.5	.9	.1	.0												2138	2138	2988	2675															
52/51	.1	3.7	2.4	.3	.0													1463	1463	3118	3344															
50/49	.2	2.6	1.4	.1	.0													916	916	2301	3709															
48/47	.1	.8	.3	.0	.0													260	260	1191	3419															
46/45	.0	.3	.1															90	90	397	2176															
44/43		.1	.0	.0														14	14	101	1185															
42/41																				16	532															
40/39																				2	248															
Element (X)	ΣX <sup>2</sup>			ΣX			ΣX			ΣX			No. Obs.			Mean No. of Hours with Temperature																				
Rel. Hum.																≤ 0 F			≤ 32 F			≥ 67 F			≥ 73 F			≥ 80 F			≥ 93 F			Total		
Wet Bulb																																				
Dew Point																																				

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-40, 42-70

JUN

**MONTH**

PAGE 2

ALL

HOURS (L, S, T.)

[illegible]



3

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

23211  
STATIONHAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME39-70  
YEARSJUL  
MONTH

PAGE 1

ALL  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																							TOTAL D.B. W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb		Wet Bulb		Dew Point					
102/101												.0					.0	4	4								
100/99													.0	.0	.0	.0	.0	8	8								
98/97									.0	.0		.0		.0	.0	.0	.0	12	12								
96/95									.0	.0		.0		.0	.0	.0	.0	32	32								
94/93							.0		.0	.0		.0		.0	.0	.0	.0	22	22								
92/91							.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	52	52								
90/89							.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0	99	99								
88/87						.0	.0	.0	.1	.2	.1	.1	.1	.0	.0	.0	.0	135	135								
86/85					.0	.0	.0	.1	.2	.2	.1	.1	.1	.0	.0	.0	.0	218	218								
84/83					.0	.1	.0	.2	.4	.3	.2	.1	.0	.0	.0	.0	.0	291	291								
82/81				.0	.0	.1	.1	.4	.5	.3	.1	.1	.0					393	393			2					
80/79				.0	.1	.2	.4	.8	.6	.4	.1	.0						626	626			5					
78/77			.0	.0	.2	.3	.9	1.0	.6	.2	.1	.0						794	793			17					
76/75			.0	.1	.3	.9	1.6	.8	.4	.2	.0							1027	1027			31					
74/73			.0	.3	.6	1.5	1.7	.7	.2	.0								1180	1181			63					
72/71			.1	.4	1.1	2.3	1.1	.4	.1	.0								1295	1295			118					
70/69		.0	.1	.6	2.1	1.9	.7	.1	.0									1350	1350			398					
68/67		.0	.3	1.1	2.6	1.2	.3	.1										1330	1332			797					
66/65	.0	.1	.6	1.9	2.1	.7	.1	.0										1291	1292			1330					
64/63	.0	.1	.9	2.7	1.5	.2	.0	.0										1294	1294			1895					
62/61	.0	.2	1.8	2.8	.7	.1	.0											1321	1321			2403					
60/59	.0	.9	3.6	2.4	.4	.0	.0											1765	1766			2404					
58/57	.0	3.0	5.0	1.3	.1	.0												2233	2233			2586					
56/55	.1	5.8	4.4	.5	.0	.0												2560	2560			3196					
54/53	.2	5.8	3.1	.1														2201	2201			3218					
52/51	.2	4.5	1.1	.0														1396	1396			2813					
50/49	.2	2.3	.4	.0														667	667			1721					
48/47	.1	.5	.1															167	167			630					
46/45	.0	.1	.0															17	17			143					
44/43		.0																1	1			11					
42/41																											
40/39																											
38/37																											
36/35																											
Element (X)	$\Sigma x^2$		$\Sigma x$		$\bar{x}$		$s_x$		No. Obs.		Mean No. of Hours with Temperature										Total						
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F											
lb																											
lb																											
Dew Point																											

## PSYCHROMETRIC SUMMARY

JUL

STATION

STATION NAME

YEARS

**MONTH**

PAGE 2

ALL

HOURS (L. S. T.)

[illegible]

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23211 HAMILTON AFB CALIF/SAN RAFAEL

39-70

AUG

STATION

STATION NAME

YEARS

MONTH

PAGE 1

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B.-W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point						
102/101																	.0	.0	2	2						
100/ 99																	.0	.0	2	2						
98/ 97																	.0	.0	4	4						
96/ 95										.0		.0	.0	.0	.0	.0	.0		14	14						
94/ 93										.0	.0	.0	.0	.1	.0	.0	.0		43	43						
92/ 91										.0	.0	.1	.0	.1	.0	.0	.0		57	57						
90/ 89						.0	.0		.0	.0	.1	.1	.1	.1	.0	.0	.0		76	76						
88/ 87					.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.0	.0	.0		114	114						
86/ 85					.0	.0	.0	.0	.1	.2	.2	.1	.1	.1	.0	.0	.0		171	171						
84/ 83				.0	.0	.0	.0	.1	.3	.3	.2	.1	.0		.0		.0		249	249						
82/ 81				.0	.0	.1	.1	.3	.5	.2	.2	.1	.0		.0				348	348						
80/ 79				.0	.0	.1	.3	.7	.7	.3	.1	.0			.0				550	550	3					
78/ 77			.0	.1	.1	.2	.9	1.0	.5	.2	.1	.0	.0						736	739	4	1				
76/ 75			.0	.1	.2	.9	1.6	.8	.4	.1	.0								1001	1001	18	5				
74/ 73			.0	.2	.5	1.6	1.6	.7	.2	.0	.0	.0	.0						1144	1145	28	11				
72/ 71	.0	.0	.1	.3	1.0	2.3	1.2	.3	.0	.0	.0								1246	1249	78	15				
70/ 69		.0	.1	.7	2.2	2.0	.7	.1	.0										1405	1407	267	25				
68/ 67		.0	.3	1.1	2.8	1.0	.2	.0	.0	.0	.0								1303	1305	603	66				
66/ 65		.0	.6	2.1	2.3	.6	.1	.0											1351	1352	1309	120				
64/ 63		.2	1.0	3.0	1.2	.2	.0	.0											1330	1330	2010	237				
62/ 61	.0	.4	2.1	3.2	.7	.1	.0												1557	1557	2501	543				
60/ 59	.0	1.2	3.8	2.6	.3	.0													1898	1902	2615	1288				
58/ 57	.0	2.5	5.3	1.1	.1	.0													2186	2188	2652	2250				
56/ 55	.1	5.8	4.7	.5	.0														2645	2651	3099	3343				
54/ 53	.2	6.4	2.7	.1	.0														2231	2232	3417	4080				
52/ 51	.3	4.8	1.0	.0															1426	1426	2941	4698				
50/ 49	.3	1.7	.2	.0															540	540	1636	3907				
48/ 47	.1	.4	.1																127	127	474	2042				
46/ 45	.0	.1	.0																22	22	108	764				
44/ 43																					15	249				
42/ 41																						73				
40/ 39																						28				
38/ 37																						14				
36/ 35																						7				
Element (X)	Σx²		Σx		Σ		Σx		Σx		Σx		Σx		Σx		Σx		Σx		Σx		Σx		Σx	
Rel. Hum.																										
lb																										
lb																										
Dew Point																										

FORM 0-26-5 (OL A) REUSED EDITIONS OF THIS FORM ARE OBSOLETE

FORM JUL 64

USAFETAC

## PSYCHROMETRIC SUMMARY

39-70

YEARS

AUG  
MONTH

PAGE 2

ALL  
HOURS (L. S. T.)

[illegible]

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23211      HAMILTON AFB CALIF/SAN RAFAEL  
STATION      STATION NAME

39-70

SEP

PAGE 1

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												HOURS (L. S. T.)			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	TOTAL D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point											
106/105																		.0	2	2												
104/103																		.0	4	4												
102/101																	.0	5	5													
100/99																	.0	24	24													
98/97											.0		.0	.0	.0	.0	.0	36	36													
96/95										.0	.0		.0	.1	.0	.0	.0	48	48													
94/93								.0		.0	.0	.0	.0	.1	.0	.0	.0	71	71													
92/91						.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	90	90													
90/89				.0		.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.0	125	125													
88/87				.0		.0	.0	.0	.0	.1	.2	.2	.1	.2	.0	.0	.0	206	206													
86/85				.0	.0	.0	.0	.0	.1	.2	.2	.2	.1	.1	.1	.0	.0	218	218													
84/83				.0	.0	.0	.0	.1	.2	.2	.3	.2	.1	.1	.1	.0	.0	302	302	2												
82/81				.0	.0	.0	.1	.2	.3	.3	.3	.1	.1	.1	.1	.0	.0	357	357	2												
80/79				.0	.0	.1	.3	.4	.5	.3	.3	.1	.1	.0	.0			479	480	9												
78/77				.1	.1	.2	.6	.7	.4	.3	.1	.1	.0	.0				582	582	13												
76/75			.0	.1	.2	.7	1.1	.8	.4	.2	.1	.1	.0	.0				841	841	28												
74/73			.0	.2	.4	1.2	1.2	.6	.3	.1	.1	.0	.0					920	920	38												
72/71			.1	.4	1.0	1.5	1.1	.4	.2	.1	.1	.0	.0					1132	1132	110												
70/69			.1	.4	.9	1.6	.9	.4	.1	.1	.1	.0						1334	1334	272												
68/67		.1	.4	1.2	2.1	1.2	.5	.2	.1	.0	.0	.0						1340	1340	556												
66/65	.0	.2	.9	1.8	1.8	.9	.3	.1	.1	.0	.0							1412	1412	1114												
64/63	.0	.4	1.4	2.3	1.3	.5	.2	.1	.0	.0	.0							1451	1453	1720												
62/61	.0	.6	2.3	2.5	1.1	.3	.1	.1	.0	.0								1626	1626	2139												
60/59	.1	1.3	3.5	2.2	.7	.2	.1	.0	.0	.0								1873	1878	2613												
58/57	.1	2.3	3.9	1.6	.4	.1	.1	.0	.0									1947	1950	2610												
56/55	.2	4.0	3.3	.8	.2	.1	.0	.0										2002	2006	2941												
54/53	.3	4.7	2.3	.3	.2	.1	.0											1842	1844	2905												
52/51	.3	3.6	1.3	.3	.1	.0	.0											1308	1308	2522												
50/49	.5	2.1	.8	.1	.1	.0												804	804	1674												
48/47	.2	1.0	.3	.1	.0													372	372	905												
46/45	.1	.4	.1	.0																												

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

## PSYCHROMETRIC SUMMARY

23211                      HAMILTON AFB CALIF/SAN RAFAEL  
STATION                      STATION NAME

39-70

SEP  
MONTH

PAGE 2

ALL

HOURS (L. S. T.)

[illegible]



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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

23211  
STATIONHAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME39-70  
YEARSOCT  
MONTH

PAGE 1

ALL  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point				
96/ 95																	.0	3	3						
94/ 93													.0				.0	4	4						
92/ 91												.0	.0	.0	.0			4	4						
90/ 89											.0	.0	.0	.0	.0	.0		31	31						
88/ 87									.0	.0	.0	.0	.0	.0	.0	.0		46	46						
86/ 85							.0	.0	.0	.1	.1	.1	.1	.0	.0	.0		101	101						
84/ 83							.0	.0	.0	.1	.1	.1	.1	.1	.1	.0		137	137						
82/ 81						.0	.0	.0	.0	.1	.1	.2	.2	.1	.0	.0		163	163						
80/ 79					.0	.0	.1	.1	.1	.2	.2	.2	.2	.0	.0	.0		228	228						
78/ 77					.0	.0	.1	.2	.3	.2	.2	.2	.2	.0	.0	.0		305	305						
76/ 75				.0	.1	.1	.2	.4	.4	.3	.2	.2	.1	.1	.1			439	439						
74/ 73				.0	.2	.4	.4	.5	.3	.2	.2	.1	.0	.0				564	564	3					
72/ 71			.0	.1	.3	.6	.6	.5	.4	.2	.1	.1	.0					717	717	18					
70/ 69		.0	.1	.4	.7	1.0	.9	.5	.4	.2	.1	.0						1016	1017	58	2				
68/ 67	.0	.0	.2	.8	1.3	.9	.6	.4	.3	.1	.1	.0						1105	1106	98	9				
66/ 65	.0	.1	.6	1.3	1.4	.9	.6	.3	.2	.1	.0							1322	1322	294	39				
64/ 63	.0	.5	1.3	1.7	1.3	.8	.4	.3	.1	.1	.0							1566	1566	670	105				
62/ 61	.1	1.1	1.7	2.1	1.3	.7	.4	.2	.2	.0								1859	1859	1363	276				
60/ 59	.2	2.1	2.7	2.1	1.1	.6	.4	.2	.1									2229	2230	2226	692				
58/ 57	.2	2.8	3.2	1.7	.7	.5	.2	.1	.0									2221	2222	2594	1282				
56/ 55	.4	3.2	3.0	1.3	.6	.3	.1	.1	.0									2184	2185	3146	1970				
54/ 53	.5	3.2	2.9	.9	.5	.3	.1	.0										1924	1925	2964	2528				
52/ 51	.7	3.8	1.9	.7	.4	.2	.1											1850	1853	2722	2877				
50/ 49	1.0	3.0	1.5	.5	.4	.2	.0											1549	1551	2577	3064				
48/ 47	.6	2.1	.8	.4	.2	.1	.0											1002	1003	1963	2643				
46/ 45	.5	1.3	.4	.2	.1	.0												614	614	1334	2187				
44/ 43	.2	.6	.2	.1	.1													311	311	788	1536				
42/ 41	.1	.2	.1	.1	.0													147	147	467	1242				
40/ 39	.1	.2	.1	.0														90	90	263	797				
38/ 37	.0	.1	.0	.0	.0													33	33	132	670				
36/ 35		.0	.0															5	5	72	481				
34/ 33		.0																2	2	15	350				
32/ 31																				5	256				
30/ 29																				1	237				
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature										Total				
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F			Total						
lb																									
lb																									
Dew Point																									

USAFETAC FORM 0-26-5 (OL A) REVISION 1-64

## PSYCHROMETRIC SUMMARY

39-70

OCT

PAGE 2

MONTH

ALL

HOURS (L. S. T.)

[illegible]

3

## 3

ALL

HOURS L. S. T.

**USAFETAC**

3

3

39-70

NOV

STATION

STATION NAME

YEARS

**MONTH**

PAGE 2

631

ALL  
106 11 6

HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point			
16/ 15																					15			
14/ 13																					13			
12/ 11																					2			
10/ 9																					2			
TOTAL	10.1	33.9	22.2	13.6	8.3	4.9	3.1	2.0	1.1	.5	.2	.1	.0							23028	23025			
																					23027			
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						Total												
Rel. Hum.	143197350	1769064	76.8	17.770	23024	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total												
lb	65383138	1214314	52.7	7.656	2028		1.8	27.5	6.1	.3		720												
lb	55547597	1121831	48.7	6.231	227		4.9	.3				720												
Dew Point	47532730	103.312	44.8	7.628	23025		47.1					720												

USAFETAC FORM 0-26-5 (OLA)  
REVISED 1973 EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AFR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23211 HAMILTON AFB CALIF/SAN RAFAEL 39-70

DEC

STATION

STATION NAME

YEARS

PAGE 1

MONTH

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																							TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Po.								
76/ 75										.0	.0							3	3										
74/ 73										.0	.0							3	3										
72/ 71										.0	.0	.0						6	6										
70/ 69						.0	.0	.0	.0	.0	.0	.0						12	12										
68/ 67				.0	.0	.0	.0	.0	.0	.0	.0	.0						24	24										
66/ 65				.0	.0	.0	.0	.0	.0	.0	.0	.0						52	52										
64/ 63		.0	.1	.1	.0	.1	.1	.1	.0	.0	.0	.0						117	117										
62/ 61	.0	.4	.2	.2	.2	.1	.1	.1	.0	.0	.0	.0						311	311	19	3								
60/ 59	.1	1.1	.4	.5	.2	.2	.1	.1	.0	.0	.0	.0						649	649	193	74								
58/ 57	.3	1.8	.8	.6	.4	.3	.1	.1	.0	.0	.0	.0						1051	1052	481	269								
56/ 55	.7	2.4	1.3	1.0	.7	.4	.1	.0	.0	.0	.0	.0						1587	1587	860	619								
54/ 53	1.0	3.1	1.9	1.2	.7	.3	.1	.0	.0	.0	.0	.0						1970	1970	1274	853								
52/ 51	1.3	3.5	2.3	1.3	.6	.2	.1	.1										2185	2185	1750	1192								
50/ 49	1.6	4.1	3.0	1.2	.6	.3	.1	.0										2571	2571	2190	1546								
48/ 47	1.6	5.0	2.3	1.1	.4	.2	.0											2545	2545	2611	1825								
46/ 45	1.8	5.0	1.9	1.0	.3	.1	.0											2644	2646	3102	2198								
44/ 43	2.0	5.2	1.6	.5	.2	.0	.0											2255	2257	2824	2711								
42/ 41	1.9	4.5	1.1	.4	.1	.0	.0											1925	1926	2479	2704								
40/ 39	1.6	3.2	.9	.3	.1	.0												1452	1452	2259	2451								
38/ 37	1.0	2.0	.6	.1	.0	.0												900	901	1316	2071								
36/ 35	.7	1.5	.4	.0	.0	.0												644	644	928	1497								
34/ 33	.4	1.1	.3	.0	.0													421	421	637	1021								
32/ 31	.3	.8	.1	.0														286	286	464	833								
30/ 29	.1	.3	.0															113	113	259	659								
28/ 27	.0	.1	.0															40	40	99	450								
26/ 25	.0	.0	.0															11	11	24	301								
24/ 23	.0	.0																4	4	12	165								
22/ 21																					129								
20/ 19																					47								
18/ 17																					34								
16/ 15																					26								
14/ 13																					15								
12/ 11																					5								
10/ 9																					7								
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature																		
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total												
1b																													
2b																													
Dew Point																													

USAFETAC FORM 0-26-5 (OL A) REVISED 1-64 EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

HOURS (L. S. T.)

Temp. (F)		WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
		0	1-2	3-4	5-6	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point				
8/	7																					4			
6/	5																					19			
4/	3																					10			
2/	1																					5			
TOTAL		16.4	46.1	19.2	9.7	4.6	2.2	1.0	.5	.2	.1	.0	.0							23781	23781	23781			
																				23781	23781				
Element (X)		$\Sigma x^2$		$\Sigma x$		$\bar{x}$		$s_x$		No. Obs.		Mean No. of Hours with Temperature										Total			
Rel Hum.		167041171		1960169		82.4		15.170		23781		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
( ) lb		54581895		1127427		47.4		6.946		23781				14.2		1.3		.2						744	
( ) lb		48632548		1064394		44.8		6.401		23781				26.8										744	
Dew Point		42948070		993862		41.8		7.706		23781				84.8										744	



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

23211                      HAMILTON AFB CALIF/SAN RAFAEL  
STATION                      STATION NAME

40-70

JAN  
MONTH

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HOURS (L. S. T.)

[illegible]

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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

23211 HAMILTON AFB CALIF/SAN RAFAEL

40-70

YEARS

JAN

MONTH

PAGE 1 0300-0500

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point	
62/ 61		.0																1	1			
60/ 59		.5	.0															14	14	1	1	
58/ 57	.2	1.0	.1	.1														42	42	27	11	
56/ 55	.9	1.9	.6	.0														99	99	68	58	
54/ 53	1.1	1.1	.6	.1														85	85	79	77	
52/ 51	1.6	3.6	.8	.1	.0		.0											182	182	121	80	
50/ 49	2.4	3.3	1.0	.3	.1	.1												206	206	198	162	
48/ 47	2.5	3.7	.7	.3	.1	.1	.0	.2										215	215	199	207	
46/ 45	2.6	4.1	.9	.6	.0	.1	.1											242	242	216	199	
44/ 43	2.8	4.5	1.2	1.0	.1	.0	.0											280	280	237	186	
42/ 41	3.3	4.4	1.1	.2	.0	.1												270	270	273	267	
40/ 39	3.7	5.3	1.4	.3	.0													307	307	324	260	
38/ 37	3.0	4.8	.9	.3	.1	.1												262	262	290	255	
36/ 35	2.7	5.1	.7	.4	.2													258	258	258	259	
34/ 33	1.4	3.4	.8	.2	.0													167	167	193	210	
32/ 31	1.1	2.6	.3	.3	.0													124	124	175	187	
30/ 29	.4	2.2	.3	.1														86	86	103	142	
28/ 27	.3	.8	.0															32	32	84	91	
26/ 25	.1	.2	.0															8	8	30	85	
24/ 23		.1																2	2	4	54	
22/ 21																				2	23	
20/ 19																					10	
18/ 17																					9	
16/ 15																					11	
14/ 13																					10	
12/ 11																					4	
10/ 9																					2	
8/ 7																					9	
6/ 5																					3	
4/ 3																					1	
2/ 1																					1	
TOTAL	30.2	52.4	11.7	4.3	.8	.5	.2	.0										2882	2882		2882	
																		2882		2882		
Element (X)	ΣX <sup>2</sup>		ΣX		X̄		σ <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature						Total					
Rel. Hum.	22873038		254352		88.2		12.147		2882		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	93					
Wet Bulb	5299590		121848		42.3		7.165		2882			8.1					93					
Dew Point	4958193		117681		40.8		7.289		2882			12.8					93					
	4958916		111872		38.8		8.665		2882			20.7					93					

FORM 0-26-5 (OL A) REVISED 1-1-63 EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC JUL 64

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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

23211  
STATIONHAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME40-70  
YEARSJAN  
MONTHPAGE 1 0600-0800  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																							TOTAL D.B. W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point							
62/ 61		.0				.0												2	2								
60/ 59		.3	.0															11	11	2	2						
58/ 57	.2	1.6	.1	.0														55	55	33	14						
56/ 55	.5	1.9	.3	.0														78	78	55	50						
54/ 53	.8	1.4	.9															89	89	85	77						
52/ 51	1.8	2.5	1.0	.1	.1													158	158	107	86						
50/ 49	2.5	4.5	.9	.0	.1		.0											233	233	205	143						
48/ 47	2.0	3.4	1.1	.3	.1	.0												197	197	204	202						
46/ 45	2.3	4.6	.9	.5	.4	.3												257	257	204	215						
44/ 43	2.7	4.4	1.4	.7	.0		.1											268	268	241	195						
42/ 41	3.4	4.1	1.6	.5														273	273	256	242						
40/ 39	3.8	4.0	1.1	.4														271	271	304	267						
38/ 37	2.7	4.7	.8	.2	.1													246	246	261	219						
36/ 35	3.0	4.2	1.1	.3	.0													247	247	277	258						
34/ 33	1.8	3.5	.9	.1	.2													186	186	195	208						
32/ 31	1.6	2.7	.3	.3	.1													144	144	178	199						
30/ 29	.9	2.2	.2	.2														97	97	132	142						
28/ 27	.7	1.0	.1															51	51	90	109						
26/ 25	.1	.3																12	12	35	102						
24/ 23		.2																6	6	14	62						
22/ 21																				5	35						
20/ 19																					9						
18/ 17																						11					
16/ 15																						11					
14/ 13																						5					
12/ 11																						5					
10/ 9																						2					
8/ 7																						5					
6/ 5																						3					
4/ 3																						3					
2/ 1																						1					
0/ -1																						1					
TOTAL	30.6	51.5	12.6	3.6	1.1	.4	.1											2883		2883		2883					
Element (X)	Σx²		Σx		Σ		Σ²		No. Obs.		Mean No. of Hours with Temperature																
Rel. Hum.	22871649		294355		88.2		12.228		2883		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total										
Wet Bulb	3242729		121083		42.0		7.389		2883			10.0					93										
Dew Point	4900650		116896		40.5		7.472		2883			14.6					93										
	4505807		111111		38.5		8.807		2883		.0	22.7					93										

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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

23211 HAMILTON AFB CALIF/SAN RAFAEL

40-70

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 1 0900-1100

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
66/ 65							.0												1	1				
64/ 63				.1			.0												3	3				
62/ 61		.1	.1	.1		.0													10	10				
60/ 59	.1	1.0	.4	.1		.0	.1	.0	.0										53	53	10	4		
58/ 57	.3	1.7	.9	.4	.1	.0	.1	.0		.0									103	103	54	25		
56/ 55	.3	2.3	1.6	.8	.3	.2	.0	.1											163	163	84	63		
54/ 53	.7	2.6	2.3	.7	.6	.1	.1		.1										208	208	125	80		
52/ 51	1.2	3.8	2.3	1.2	.4	.4	.1	.1		.1									272	272	174	134		
50/ 49	1.3	4.7	2.9	1.4	.8	.7	.2	.0											342	342	261	169		
48/ 47	1.6	5.0	2.5	1.5	.9	.3	.0												341	341	296	243		
46/ 45	1.5	5.9	2.4	1.3	.8	.1	.1												347	347	339	262		
44/ 43	2.1	4.8	2.6	.8	.3	.1	.0												311	312	362	274		
42/ 41	1.9	4.0	1.3	.7	.3	.1													242	242	345	337		
40/ 39	1.8	3.2	1.2	.4	.3	.2													206	206	308	274		
38/ 37	1.0	2.4	.7	.3	.1	.2													135	135	199	266		
36/ 35	.8	1.0	.3	.1	.0														70	70	151	202		
34/ 33	.3	.9		.0	.0														45	45	78	142		
32/ 31	.3	.4	.0																21	21	63	114		
30/ 29	.1	.1																	5	5	24	89		
28/ 27	.0																		1	1	6	61		
26/ 25																						41		
24/ 23																						30		
22/ 21																						20		
20/ 19																						9		
18/ 17																						6		
16/ 15																						10		
14/ 13																						2		
12/ 11																						4		
10/ 9																						7		
8/ 7																						3		
6/ 5																						2		
4/ 3																						3		
2/ 1																						2		
0/ -1																						2		
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature										Total			
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F								
ilb																								
ilb																								
Dew Point																								

FORM 0-26-5 (OL A) REVISED PER EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

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JAN  
MONTH

40-70

YEARS

0900-1100

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USAFETAC  
FORM  
JUL 64  
0-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

23211  
STATIC

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

40-70

YEARS

JAN  
MONTH

PAGE 1

1200-1400

HOURS (L. S. T.)

[illegible]



3

23211

HAMILTON AFB CALIF/SAN RAFAEL

40-70

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 2

1200-1400

HOURS (L, S, T.)

USAFETAC FORM 0-26-5 (CL A)

3

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

23211 HAMILTON AFB CALIF/SAN RAFAEL

40-70

YEARS

JAN

MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																							TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point						
78/ 77												.0						1	1								
70/ 69									.0	.0								2	2								
68/ 67								.1	.1	.0								6	6								
66/ 65						.1	.0		.1									5	5								
64/ 63			.2	.1	.1	.0	.1	.1	.0									19	19								
62/ 61		.1	.4	.3	.3	.1	.2	.1										46	46								
60/ 59	.2	.9	.7	.7	.6	.6	.2	.2	.0									119	119	23	3						
58/ 57	.1	2.4	2.3	1.8	1.8	.6	.4	.2	.1									277	277	51	26						
56/ 55	.6	2.4	3.1	2.6	1.6	.3	.3	.1	.1									319	319	139	77						
54/ 53	.6	2.6	4.3	2.9	1.1	.8	.3	.1	.0									375	375	210	112						
52/ 51	.6	3.6	3.9	3.0	1.5	.8	.1	.1										391	391	281	160						
50/ 49	.8	4.5	5.4	2.7	2.0	.5	.2	.0										463	463	426	207						
48/ 47	.5	3.5	3.1	2.3	1.1	.4	.0											313	313	449	268						
46/ 45	.7	3.6	2.3	1.2	.9	.3	.2											264	264	402	341						
44/ 43	.4	2.1	1.0	.7	.2	.1												133	133	354	354						
42/ 41	.4	1.6	.5	.3	.1	.1	.0											87	87	242	330						
40/ 39	.1	.6	.2	.0	.1	.1	.0											34	34	160	260						
38/ 37	.0	.6	.0	.1	.0													20	20	79	178						
36/ 35		.2	.0	.0														9	9	37	152						
34/ 33																				17	118						
32/ 31																				8	89						
30/ 29																				4	64						
28/ 27																				1	45						
26/ 25																					22						
24/ 23																					17						
22/ 21																					17						
20/ 19																					8						
18/ 17																					9						
16/ 15																					6						
14/ 13																					9						
12/ 11																					3						
10/ 9																					4						
6/ 5																					1						
2/ 1																					1						
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature						Total										
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F											
D																											
V																											
Dew Point																											

USAFETAC  
FORM 0-26-5 (OL A)  
REVISED 10-64  
EDITIONS OF THIS FORM ARE OBSOLETE

3

## PSYCHROMETRIC SUMMARY

40-70

**JAN**

PAGE 2      1500-1700  
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

3

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

23211 HAMILTON AFB CALIF/SAN RAFAEL

40-70

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 1 1800-2000  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
64/ 63								.1										2	2		
62/ 61		.1	.1					.0	.0									6	6		
60/ 59	.0	.6	.2	.0			.1											28	28	4	1
58/ 57	.1	1.7	.2	.2	.1	.0	.1											70	70	34	12
56/ 55	.6	2.4	1.4	.2	.2	.1	.1											144	144	81	67
54/ 53	.8	4.1	1.8	.7	.3	.1												225	225	120	78
52/ 51	.9	5.0	2.3	1.1	.3	.1	.1											284	284	190	191
50/ 49	1.1	5.9	4.8	1.7	.5	.2	.2											410	410	270	202
48/ 47	.9	6.0	5.3	1.8	.4	.2	.1	.0										423	423	314	237
46/ 45	1.6	7.2	3.6	1.5	.5	.1	.0											419	419	444	257
44/ 43	1.0	5.1	2.8	1.4	.2	.1												306	306	403	341
42/ 41	.9	3.3	2.0	1.0	.1	.1	.0											215	215	329	365
40/ 39	.7	2.7	2.0	.6	.2	.2												182	182	253	281
38/ 37	.2	1.9	.9	.2														91	91	185	216
36/ 35	.1	1.0	.3	.2	.1	.0												50	50	134	209
34/ 33	.1	.2	.2	.1	.1													21	21	68	151
32/ 31		.1	.0	.0														4	4	26	102
30/ 29	.0		.0															2	2	16	73
28/ 27																				9	45
26/ 25																				2	37
24/ 23																					16
22/ 21																					12
20/ 19																					9
18/ 17																					12
16/ 15																					8
14/ 13																					6
12/ 11																					6
10/ 9																					1
8/ 7																					1
6/ 5																					2
4/ 3																					1
2/ 1																					1
TOTAL	9.247	128.0	10.7	2.9	1.1	.7	.2	.0										2882	2882	2882	2882
Element (X)	Z <sub>x</sub> <sup>2</sup>	Z <sub>x</sub>	X	X <sup>2</sup>	No. Obs.		Mean No. of Hours with Temperature										Total				
Rel. Hum.	19515522	233772	81.1	13,857	2882		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F					93				
D	6486900	125850	47.1	5,376	82			.2									93				
W	3789629	128127	44.5	5,693	82			1.7									93				
Dew Point	5083337	118969	41.3	7,740	882			10.7									93				

FORM 0-26-5 (OL A) REVISION 7-73 EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

3

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

23211  
STATIONHAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME40-70  
YEARSJAN  
MONTHPAGE 1 2100-2300  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
68/ 67										.0								1	1						
62/ 61		.1																2	2						
60/ 59	.1	.5	.0				.0	.0										20	20	6	1				
58/ 57	.4	1.1	.6	.0			.1	.0	.0									64	64	33	20				
56/ 55	1.0	1.9	.5	.0		.0	.0											102	102	74	56				
54/ 53	.7	3.0	1.2	.2	.1		.1											149	149	92	72				
52/ 51	1.4	3.8	1.2	.1	.0	.1		.0										192	192	164	112				
50/ 49	1.7	5.1	1.7	.7	.1	.1	.2											277	277	216	184				
48/ 47	1.7	5.4	2.3	1.0	.1	.1	.2											314	314	230	214				
46/ 45	2.0	7.3	2.5	1.0	.1	.2	.1											380	380	304	214				
44/ 43	2.2	7.0	2.4	.6	.2	.0												357	357	352	282				
42/ 41	1.7	5.5	1.5	.6	.2	.1	.1											278	278	365	308				
40/ 39	1.7	4.8	2.2	.5	.1	.2												273	273	314	297				
38/ 37	1.0	4.1	1.5	.3	.1													202	202	224	266				
36/ 35	.9	2.7	1.2	.1														141	141	220	209				
34/ 33	.5	1.4	.6	.2	.1													80	80	136	197				
32/ 31	.1	.8	.0	.1														30	30	86	135				
30/ 29	.1	.2	.3		.1													17	17	41	93				
28/ 27			.1															2	2	10	76				
26/ 25																				11	38				
24/ 23																				2	26				
22/ 21																				1	18				
20/ 19																					20				
18/ 17																					16				
16/ 15																					6				
14/ 13																					7				
12/ 11																					4				
10/ 9																					3				
8/ 7																					2				
4/ 3																					1				
0/ -1																					1				
-2/ -3																					2				
TOTAL	17.3	54.6	19.9	5.3	1.2	.9	.7	.1	.0	.0								2881	2881	2881	2880				
Element (X)	Σx <sup>2</sup>		Σx		X̄		s <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature							Total							
Rel. Hum.	21225731		244299		84.8		13.307		2881		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	93								
D	5900753		129169		44.8		6.165		81			1.6	.0				93								
V	5397745		123329		42.8		6.409		81			4.9					93								
Dew Point	4848368		115792		40.2		8.183		2880		.1	14.8					93								

EDITIONS OF THIS FORM ARE OBSOLETE

FORM 0-26-5 (OL A)

USAFETAC

3

YEARS

40-70

MONTH

0000-0200  
HOURS (L. S. T.)

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26.5 (OLA)

MEM  
11 AM

**USAFETAC**



3

## 3

FEB

STATION	STATION NAME
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YEARS

MONTH

PAGE 1 0300-0500  
HOURS (L. S. T.)

USAFETAC FORM 0-26.5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

40-70

**FEE**  
**MONTH**

PAGE 1 0600-0800  
HOURS (L. S. T.)

[illegible]

3

**YEARS**

FEB  
MONTH

HOURS (L, S, T.)

[illegible]

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

<u>23211</u>	<u>HAMILTON AFB CALIF/SAN RAFAEL</u>
STATION	STATION NAME

40-70

FEB

PAGE 1 1200-1400  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point			
72/ 71							.0	.1	.0		.0							3	3					
70/ 69					.0		.1	.3	.1		.0							16	16					
68/ 67				.0	.1	.4	.2	.1	.1	.1	.0							28	28					
66/ 65			.1	.3	.5	.7	.4	.2	.2	.3								70	70					
64/ 63		.0	.5	1.1	1.2	.8	.4	.4	.2	.2								126	126					
62/ 61		.4	1.0	1.6	1.3	1.0	.6	.4	.2	.1								173	173	11	1			
60/ 59		1.6	2.3	2.9	2.1	2.0	1.5	1.1	.5	.0								370	370	49	9			
58/ 57	.1	2.6	3.6	3.1	3.2	1.5	1.0	.8	.2	.0								426	426	160	40			
56/ 55	.3	2.7	3.3	4.4	2.7	1.6	.6	.3	.0									422	422	282	130			
54/ 53	.2	2.0	4.3	3.2	1.8	.7	.6	.2	.0									339	339	313	155			
52/ 51	.2	2.7	2.6	2.3	1.0	.3	.0	.0										240	240	352	220			
50/ 49	.3	2.7	2.9	.9	.7	.2												201	201	480	277			
48/ 47	.5	2.2	1.4	.3	.1	.2												109	109	377	278			
46/ 45	.0	2.1	.3	.1	.0	.1												70	70	331	306			
44/ 43	.0	.5	.2	.0		.1												22	22	174	315			
42/ 41	.2	.0		.0		.0												7	7	67	264			
40/ 39	.1	.1																5	5	20	155			
38/ 37																				5	109			
36/ 35																				2	82			
34/ 33																				4	73			
32/ 31																					50			
30/ 29																					47			
28/ 27																					30			
26/ 25																					20			
24/ 23																					23			
22/ 21																					20			
20/ 19																					3			
18/ 17																					6			
16/ 15																					7			
14/ 13																					4			
12/ 11																					2			
10/ 9																					1			
TOTAL	1.4	19.6	22.6	20.3	14.8	9.6	5.5	3.8																

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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

23211 HAMILTON AFB CALIF/SAN RAFAEL

40-70

FEB  
MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

Temp. (F)		WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
		0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
76/ 75																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							</

FORM 0-26-5 (OLA)  
JUL 64  
USAFETAC

REVISIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

23211      HAMILTON AFB CALIF/SAN RAFAEL  
STATION      STATION NAME

40-70

**YEARS**

FEB  
MONTH

PAGE 1

**1800-2000**  
HOURS (L. S. T.)

[illegible]





3

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

23211 HAMILTON AFB CALIF/SAN RAFAEL

39-70

MAR

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0000-0200

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B. W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point															
68/ 67							.1																								2	2			
66/ 65											.0																				1	1			
64/ 63					.1	.0	.1		.0	.1																					10	10			
62/ 61							.0	.1	.1	.0																					6	6			
60/ 59				.0	.0	.0	.0	.1	.1	.0																					9	9			
58/ 57	.2	.5	.2	.2		.0	.0	.1	.1	.0																					36	36	6	3	
56/ 55	.0	2.2	1.1	.4	.2	.1	.2	.1																							127	127	36	11	
54/ 53	.1	2.8	1.5	.9	.4	.2	.1																								177	177	86	48	
52/ 51	.3	4.9	2.9	1.0	.2	.2																									281	281	163	90	
50/ 49	1.0	7.4	5.4	1.6	.7	.1	.1																								485	485	247	166	
48/ 47	.9	8.8	4.4	1.4	.9	.1	.0																								483	484	419	229	
46/ 45	.4	8.6	4.9	2.2	.2	.2																									488	488	502	349	
44/ 43	.7	7.6	4.2	1.0	.0	.0																									406	406	458	411	
42/ 41	.7	4.8	2.4	.4	.1	.0																									249	249	454	410	
40/ 39	.8	2.2	1.1	.2	.1																										131	131	345	381	
38/ 37	.3	1.1	.4	.1																											55	55	156	275	
36/ 35	.2	.4	.1																												18	18	67	244	
34/ 33		.1	.0																												3	3	23	135	
32/ 31		.1																													2	2	7	97	
30/ 29																																		2	49
28/ 27																																			18
26/ 25																																			17
24/ 23																																			10
22/ 21																																			11
20/ 19																																			6
18/ 17																																			9
TOTAL	5.65	1.42	28.6	9.4	2.6	1.1	.7	.3	.2	.2	.0																				2969	2970	2969	2969	
																										</									

USAFETAC  
FORM 0-26-5 (OL A)  
JUL 64  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23211 HAMILTON AFB CALIF/SAN RAFAEL

39-70

MAR  
MONTH

PAGE 1

0600-0800  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL									
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point											
68/ 67						.0												1	1													
66/ 65					.0													1	1													
64/ 63					.0			.1	.0									4	4													
62/ 61			.0	.0	.1	.1		.0	.0		.0							9	9													
60/ 59		.1	.1	.2	.0	.1	.0	.1										19	19	1												
58/ 57	.0	.6	.7	.5	.1	.2	.1	.1										69	69	11												
56/ 55	.2	1.6	.9	.4	.2	.1	.1	.1										107	107	42	20											
54/ 53	.3	2.2	2.3	.8	.3	.3	.2	.1										221	221	93	53											
52/ 51	.3	3.7	3.9	.9	.5	.3	.1											289	289	139	91											
50/ 49	1.0	6.4	3.9	1.3	.5	.3	.0											397	400	274	159											
48/ 47	.9	7.0	3.6	1.3	.5	.2	.0											404	404	388	225											
46/ 45	1.3	7.4	2.9	1.5	.5	.1	.0											411	411	430	375											
44/ 43	1.0	6.2	2.9	1.1	.1	.1												340	340	405	377											
42/ 41	1.3	4.8	1.8	.7	.0	.0												260	260	385	370											
40/ 39	1.3	3.8	1.8	.1	.0													209	209	319	325											
38/ 37	.9	2.3	.6	.1														114	115	233	253											
36/ 35	.8	1.8	.2	.0														81	81	138	235											
34/ 33	.3	.4	.1															24	24	64	188											
32/ 31	.2	.1																9	9	24	126											
30/ 29		.0																1	1	3	76											
28/ 27		.0																1	1	1	38											
26/ 25																				1	21											
24/ 23																					15											
22/ 21																					5											
20/ 19																					8											
18/ 17																					5											
16/ 15																					1											
14/ 13																					2											
10/ 9																					1											
TOTAL	9.9	49.5	25.5	8.9	3.1	1.8	.6	.6	.1		.0								2971		2971	2971										
																			2971		2971											
Element (X)	Σ x <sup>2</sup>			Σ x			Σ			Σ			No. Obs.			Mean No. of Hours with Temperature																
Rel. Hum.	20463316			243228			81.913.619			2971			≤ 0 F			≤ 32 F			≥ 67 F			≥ 73 F			≥ 80 F			≥ 93 F			Total	
D	6591043			138627			46.6 5.563			75						.3			.0									93				
	5821528			130616			44.0 5.163			71						.9												93				
Dew Point	5102045			121619			40.9 6.449			771						9.4												93				

USAFETAC FORM 0-26-5 (OL A) JUL 64

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23211 HAMILTON AFB CALIF/SAN RAFAEL 39-70

YEARS

MAR  
MONTH

PAGE 1 0900-1100  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B.-W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
80/ 79									.0												1	1		
76/ 75									.0		.1										5	5		
74/ 73									.0		.1										4	4		
72/ 71						.0	.0	.1	.1	.1											8	8		
70/ 69						.1	.1	.0	.2	.1	.2	.1									22	22		
68/ 67				.0	.2	.4	.3	.3	.1	.2	.1										46	46		
66/ 65				.1	.4	.7	.3	.2	.1	.1											56	56		
64/ 63			.1	.5	.8	.6	.4	.2	.2	.1											89	89		
62/ 61		.1	.4	1.1	1.6	.7	.6	.5	.2												156	156		
60/ 59		.5	1.6	2.4	1.7	1.2	.5	.4	.2												255	255		
58/ 57	.0	1.0	3.0	3.3	2.2	1.0	.9	.3													347	347	87	12
56/ 55	.0	2.3	4.7	5.0	1.8	1.3	.4	.3	.0												478	478	215	43
54/ 53	.1	2.4	5.5	4.2	2.0	1.0	.3	.2													465	465	343	115
52/ 51	.1	3.2	5.2	3.0	1.8	.9	.0	.0													423	423	441	219
50/ 49	.3	3.3	3.9	1.7	1.1	.2		.0													317	317	573	296
48/ 47	.2	2.2	1.7	1.0	.6		.0														173	174	493	445
46/ 45	.1	1.4	.9	.3	.1																76	76	393	429
44/ 43	.3	.7	.2	.1																	40	40	227	368
42/ 41	.1	.1		.1																	8	8	116	278
40/ 39	.1		.0																		3	3	41	198
38/ 37	.0																				1	1	7	145
36/ 35																							3	112
34/ 33																								107
32/ 31																								69
30/ 29																								56
28/ 27																								23
26/ 25																								22
24/ 23																								17
22/ 21																								8
20/ 19																								2
18/ 17																								3
16/ 15																								5
14/ 13																								1
Element (X)	Σ X <sup>2</sup>		Σ X		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature							Total				
Rel. Hum.													≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F						
Dew Point																								

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISIONS OF THIS FORM ARE OBSOLETE

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**YEARS**

39-70

MAR  
MONTH

PAGE 2

0900-1100  
HOURS (L. S. Y.)

[illegible]

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

23211

HAMILTON AFB CALIF/SAN RAFAEL

39-70

MAR

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1200-1400

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
86/ 85											.1										2	2		
82/ 81										.0		.0	.1								4	4		
80/ 79									.0		.0	.1	.0	.0							6	6		
78/ 77								.0	.1	.1	.0	.1	.1	.0							15	15		
76/ 75								.0	.2	.1	.1	.1	.0								11	11		
74/ 73				.0	.1	.1	.2	.6	.5	.6	.2	.3	.1								74	74		
72/ 71					.1	.4	.5	.4	.3	.2	.2	.1									65	65		
70/ 69					.3	.6	.7	.9	.3	.2	.3	.1									101	101	1	
68/ 67				.3	.7	1.1	1.0	.5	.4	.3	.2	.0									136	136		1
66/ 65			.0	.4	1.1	1.4	.9	1.0	.6	.1											169	169	4	
64/ 63		.1	1.4	2.2	1.7	.9	1.0	.5	.1												236	236	10	
62/ 61		.5	1.9	2.7	2.0	1.4	.7	.5	.0												292	292	54	1
60/ 59		.3	2.2	4.1	4.4	2.0	1.3	.7	.1												452	452	113	7
58/ 57		.8	2.7	3.8	3.8	2.0	.8	.3	.1												423	424	219	26
56/ 55		1.4	3.2	3.5	3.8	1.7	.5	.3	.0												429	430	400	93
54/ 53	.1	1.5	2.6	2.3	2.1	.6	.2	.0													279	279	448	162
52/ 51	.1	1.3	1.3	1.1	.8	.3	.0														150	150	536	280
50/ 49	.1	.7	.9	.5	.1	.1	.0														71	71	490	363
48/ 47		.3	.5	.2		.0															31	31	367	347
46/ 45		.5	.2	.0		.0															22	22	211	353
44/ 43		.1																			3	3	85	313
42/ 41	.0	.0																			2	2	27	249
40/ 39	.0																				1	1	7	207
38/ 37																							2	180
36/ 35																								123
34/ 33																								75
32/ 31																								55
30/ 29																								48
28/ 27																								26
26/ 25																								27
24/ 23																								16
22/ 21																								15
20/ 19																								1
18/ 17																								2
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dew Point																								

FORM 0-26-5 (OL A) REVISED MAY 1964  
USAFETAC

EDITIONS OF THIS FORM ARE OBSOLETE

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$\sum_{i=1}^n \frac{1}{i^2} = \frac{\pi^2}{6}$

YEARS

MONTH

HOURS (L. S. T.)

FORM  
REV 64

USAFETAC

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

<u>23211</u>	<u>HAMILTON AFB CALIF/SAN RAFAEL</u>
STATION	STATION NAME

39-70

MAR  
MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

39-70

MAR  
MONTH

PAGE 2 1500-1700  
HOURS (L. S. T.)

[illegible]

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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

23211  
STATIONHAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME39-70  
YEARSMAR  
MONTHPAGE 1 1800-2000  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point	
76/ 75							.0	.1										3	3			
74/ 73							.0	.1	.1									6	6			
72/ 71							.0	.0				.0						3	3			
70/ 69				.0		.1	.1	.2	.1		.0							16	16			
68/ 67				.0	.2	.2	.1	.1	.1	.0								21	21			
66/ 65			.0	.1	.2	.3	.2	.2	.1	.1								32	32			
64/ 63			.0	.2	.6	.4	.2	.2	.1	.1								53	53	2		
62/ 61			.2	.5	.5	.5	.4	.1	.1									71	71	7		
60/ 59		.2	1.2	1.1	1.1	.6	.3	.2	.1									146	146	20	1	
58/ 57	.0	.9	1.8	2.3	1.5	.6	.2	.2										223	223	47	8	
56/ 55	.1	2.5	4.0	3.3	1.7	.7	.3	.0										377	377	139	32	
54/ 53	.1	3.0	5.2	4.1	1.4	.5	.1	.1										438	438	235	94	
52/ 51	.1	4.1	6.4	4.5	1.4	.3	.2											504	504	359	159	
50/ 49	.2	4.7	7.9	5.3	1.1	.1	.1											578	578	503	250	
48/ 47	.0	2.4	4.3	3.1	.2	.1												302	302	363	360	
46/ 45	.0	1.2	2.5	.9	.0													140	140	518	390	
44/ 43		.5	.7	.2	.0													43	43	329	441	
42/ 41		.1	.3	.0														12	12	181	304	
40/ 39		.1	.1															5	5	47	268	
38/ 37			.0															1	1	17	248	
36/ 35																				6	139	
34/ 33																					87	
32/ 31																					41	
30/ 29																					27	
28/ 27																					17	
26/ 25																					6	
24/ 23																					12	
22/ 21																					3	
20/ 19																					6	
18/ 17																					2	
TOTAL	.6	19.6	34.8	25.8	9.9	4.5	2.5	1.5	.5	.2	.0	.0						2974	2974	2975		
Element (X)	Σ x <sup>2</sup>		Σ x		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ	
Rel. Hum.	15771733		212671		71.513,768		2974		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
D. B.	8369740		157070		52.8 4,995		74						1.5		.3						93	
W. B.	6933127		143073		48.1 4,201		75														93	
Dew Point	5683260		128878		43.3 5,862		2975				3.6										93	

USAF ETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

23211  
STATIONHAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME39-70  
YEARSMAR  
MONTHPAGE 1 2100-2300  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B. W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
74/ 73								.0										1	1					
72/ 71								.0										1	1					
68/ 67						.0	.1			.0	.1							6	6					
66/ 65					.0					.0								2	2					
64/ 63					.2				.0	.1								8	8					
62/ 61					.1	.0	.1	.0	.1									11	11					
60/ 59		.1	.1	.4	.1	.1	.1	.1	.1									33	33		2			
58/ 57	.2	.5	.7	.5	.4	.1	.0	.0	.1									82	82	15	2			
56/ 55	.1	2.8	1.5	1.0	.6	.3		.0										187	187	46	15			
54/ 53	.1	3.7	3.0	1.6	.7	.3	.0											281	281	130	66			
52/ 51	.2	5.9	5.3	2.1	1.2	.3	.2	.0										451	451	226	104			
50/ 49	.7	7.0	7.1	2.5	.8	.1												540	540	359	228			
48/ 47	.4	8.1	6.6	3.5	.7	.1	.0											573	573	489	269			
46/ 45	.4	7.6	3.9	2.3	.1	.1												430	430	598	411			
44/ 43	.2	3.6	2.8	.7														218	218	494	427			
42/ 41	.3	1.7	1.2	.2	.1													107	107	345	463			
40/ 39	.0	.5	.4	.1														33	33	186	285			
38/ 37	.0	.1	.1															6	6	59	253			
36/ 35		.0	.0															2	2	19	188			
34/ 33			.0															1	1	4	120			
32/ 31																					62			
30/ 29																				1	39			
28/ 27																					7			
26/ 25																					12			
24/ 23																					7			
22/ 21																					12			
20/ 19																					1			
18/ 17																					1			
16/ 15																					1			
TOTAL	2.7	41.6	33.0	14.9	4.9	1.5	.5	.3	.3	.1	.1							2973	2973		2973			
																		2973		2973				
Element (X)	Σx²		Σx		Σ		σ <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.	18729459		232859		78.312,851		2973		≤ 0 F   ≤ 32 F   ≥ 67 F   ≥ 73 F   ≥ 80 F   ≥ 93 F   Total															
D	7253221		146281		49.2		4,330		73									93						
W	6322553		136543		49.9		4,153		73									93						
Dew Point	5433673		125949		42.4		5,740		73									93						

USAFETAC FORM 0-26-5 (OL A) JUL 64  
REVISED PRINTED EDITIONS OF THIS FORM ARE OBSOLETE



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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

23211

HAMILTON AFB CALIF/SAN RAFAEL

39-70

APR

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0000-0200

HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point			
74/ 73										.0								1	1					
70/ 69											.0							1	1					
68/ 67									.1	.0								3	3					
66/ 65				.0	.1		.1		.0									6	6					
64/ 63					.0	.0	.0											3	3					
62/ 61					.1													3	3					
60/ 59		.0	.1	.2	.1	.1	.0											18	18	2				
58/ 57	.0	.9	.8	.3	.2	.1	.0	.0	.0									67	67	5				
56/ 55	.3	1.8	1.8	.6	.5	.0	.1											147	147	51	25			
54/ 53	.0	3.1	3.7	1.1	.5	.1	.1											245	246	107	46			
52/ 51	.3	6.7	4.2	1.6	.3	.2	.1											390	392	194	89			
50/ 49	.6	11.0	5.5	1.5	.6	.0	.0											555	555	391	193			
48/ 47	.7	10.6	5.8	1.5	.1	.0	.0											544	544	347	355			
46/ 45	1.0	10.8	3.0	1.0	.2													460	460	367	500			
44/ 43	.9	5.4	1.9	.5														251	251	500	517			
42/ 41	.4	2.5	.9	.0														111	111	272	429			
40/ 39	.2	1.1	.3															49	49	156	271			
38/ 37	.1	.5																19	19	65	191			
36/ 35		.0																1	1	16	125			
34/ 33		.0																1	1	1	58			
32/ 31																				1	40			
30/ 29																					22			
28/ 27																					5			
26/ 25																					4			
24/ 23																					3			
22/ 21																					2			
TOTAL	4.85	4.52	8.1	8.4	2.8	.6	.5	.0	.1	.1	.0							2875	2878	2875	2875			
Element (X)	Σ x <sup>2</sup>		Σ x		Σ		Σ x		No. Obs.		Mean No. of Hours with Temperature												Total	
Rel. Hum.	19897542		237058		82.51		11.050		2875		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F					90			
Wet Bulb	6867278		140042		48.7		6.288		78				.2	.0							90			
Dew Point	6142448		124458		48.3		4.907		75			2.4									90			

FORM 0-26-5 (OL A) REVISED PREP EDITIONS OF THIS FORM ARE OBSOLETE

USAF ETAC

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23211 HAMILTON AFB CALIF/SAN RAFAEL

39-70

APR

STATION

STATION NAME

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PAGE 1

0300-0500

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL										
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point												
72/ 71									.0									1	1														
70/ 69											.1							2	2														
68/ 67										.0								1	1														
66/ 65					.0	.0	.0											3	3														
64/ 63			.0		.0													2	2														
62/ 61				.0		.1		.0										4	4														
60/ 59				.0	.0	.0												3	3	1													
58/ 57	.0	.4	.2	.1	.1	.0												23	23	5	1												
56/ 55	.2	1.4	1.4	.2	.5		.0	.0										108	108	35	15												
54/ 53	.1	3.2	2.1	.6	.1	.1												175	176	58	37												
52/ 51	.4	5.1	2.7	.9	.2	.1												271	272	159	80												
50/ 49	.9	9.2	5.0	.9	.2	.1												472	473	307	141												
48/ 47	1.5	9.5	4.6	.9	.7	.1												496	496	447	323												
46/ 45	1.7	11.0	2.6	.7	.2	.0												470	470	534	422												
44/ 43	1.7	9.0	2.2	.8														396	396	493	461												
42/ 41	1.4	5.6	1.3	.3														247	247	376	474												
40/ 39	.6	2.6	.8	.1														119	119	254	330												
38/ 37	.3	1.7	.1															61	61	134	239												
36/ 35	.1	.5	.0															19	19	64	148												
34/ 33	.1	.0																3	3	8	93												
32/ 31		.0																1	1	2	51												
30/ 29																					29												
28/ 27																					15												
26/ 25																					6												
24/ 23																					3												
TOTAL	9.1	59.3	23.0	5.5	2.1	.7	.1	.1	.0	.0	.1								2877	2880		2876											
																		2877		2877													
Element (X)	Σ x <sup>2</sup>			Σ x			Σ			Σ			No. Obs.			Mean No. of Hours with Temperature																	
Rel. Hum.	20946377			243563			84,710,651			2877			≤ 0 F			≤ 32 F			≥ 67 F			≥ 73 F			≥ 80 F			≥ 93 F			Total		
D <sub>1</sub> Wb	6435534			135510			47,1			4,546			80			.0			.1									90					
D <sub>2</sub> Wb	5837724			129012			44,8			4,272			77			.1												90					
Dew Point	5253744			122052			42,4			5,076			876			3.3												90					

USAFETAC FORM 0-26-5 (OLA) JUL 64

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**YEARS**

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**MONTH**

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0600-0800  
HOURS (L. S. T.)

FORM 0-26.5 (01 A)

USAFETAC

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23211 HAMILTON AFB CALIF/SAN RAFAEL  
STATION STATION NAME

39-70  
YEARS

APR  
MONTH

PAGE 1 0900-1100  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
82/ 81																						2	2		
80/ 79								.0		.0	.0	.1										8	8		
78/ 77						.0	.1	.1	.1	.0	.1	.1			.0							16	16		
76/ 75				.0		.0	.1	.2	.1	.1	.1	.1										16	16		
74/ 73				.0	.2	.2	.4	.4	.1	.1	.0	.1										35	35		
72/ 71				.0	.2	.6	.3	.2	.1	.0	.1	.0										38	38		
70/ 69				.2	.3	1.0	.4	.3	.2	.1	.1											83	83	1	
68/ 67				.4	1.1	.9	.7	.3	.1	.1	.1											109	109	2	
66/ 65		.2	1.1	1.3	1.2	.6	.3	.1	.1	.1												144	144	20	1
64/ 63	.0	.5	2.0	2.4	1.5	.7	.4	.1	.1													222	222	20	2
62/ 61	.0	1.1	3.6	2.9	1.4	.7	.3	.1														291	291	78	12
60/ 59	.3	2.7	5.6	4.0	1.5	.5	.2	.1														431	431	150	27
58/ 57	.1	.8	3.6	3.2	1.0	.5	.1															422	422	228	69
56/ 55		1.5	4.7	4.5	2.3	1.1	.3	.1														417	417	394	132
54/ 53	.1	1.3	4.1	2.8	1.1	.5	.1															287	287	481	216
52/ 51	.0	1.7	2.7	1.4	.5	.4																190	190	511	332
50/ 49	.1	1.0	1.6	.7	.1																	105	105	438	421
48/ 47	.1	.7	.7	.2																		47	47	303	429
46/ 45	.0	.1	.1	.0																		9	9	152	358
44/ 43		.2	.0																			6	6	70	280
42/ 41		.0																				1	1	22	206
40/ 39		.0																				1	1	2	136
38/ 37																									79
36/ 35																									65
34/ 33																									36
32/ 31																									27
30/ 29																									23
28/ 27																									5
26/ 25																									10
24/ 23																									9
22/ 21																									4
18/ 17																									1
TOTAL	.6	7.8	22.1	27.8	19.6	11.5	5.3	2.6	1.4	.5	.5	.3		.0								2880	2880	2880	2880
Element (X)	$\Sigma x^2$		$\Sigma x$		$\Sigma$		$\Sigma$		$\Sigma$		No. Obs.		Mean No. of Hours with Temperature										2880	2880	2880
Rel. Hum.	13126860		189966		66.0		14.395		2880				≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total						
Dew Point	10082303		169543		58.9		5.936		380						9.6	2.4	.2		90						
	7981873		191063		52.5		4.498		380										90						
	6421179		194801		46.8		6.228		380				2.5		.1				90						

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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

23211  
STATIONHAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME39-70  
YEARSAPR  
MONTHPAGE 1 1200-1400  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
88/ 87												.0							1	1			
86/ 85								.0				.0	.1	.2	.0				11	11			
84/ 83						.0	.1	.1	.1	.1	.1	.1	.2	.2	.1	.0			27	27			
82/ 81						.0	.1	.1	.1	.1	.1	.1	.0	.0	.0				19	19			
80/ 79						.2	.1	.2	.5	.2	.2	.0	.1						42	42			
78/ 77				.0	.1	.2	.3	.6	.6	.5	.2	.1	.2						82	82			
76/ 75				.0	.2	.4	.7	.7	.9	.1	.2		.0						98	98			
74/ 73				.0	.2	.6	.9	.9	.4	.3	.1	.1	.1						112	112	1		
72/ 71				.2	.3	.7	.8	.9	.6	.2	.2	.1							114	114	4		
70/ 69		.0		.2	.8	1.9	1.8	.8	.8	.1	.1	.0							188	188	18	1	
68/ 67			.1	.7	1.7	2.6	1.7	1.0	.6	.3	.2								255	256	21	6	
66/ 65		.0	.1	1.1	2.5	3.3	1.7	.8	.2	.1									285	285	67	9	
64/ 63		.1	.5	2.1	3.3	2.8	1.4	.7	.2	.2	.0								323	323	114	21	
62/ 61		.2	.5	2.6	3.6	3.2	1.3	.5	.1	.1									348	348	168	25	
60/ 59		.3	1.3	2.6	4.2	2.3	.6	.2	.1										332	332	271	55	
58/ 57	.1	.6	1.3	2.4	2.5	1.3	.2	.1	.0										242	242	387	93	
56/ 55		.7	1.0	1.8	1.6	.7	.1												169	169	427	187	
54/ 53		.6	1.4	1.1	.9	.2													120	120	438	270	
52/ 51	.0	.7	.6	.5	.2														61	61	395	293	
50/ 49		.3	.7	.1															32	32	296	353	
48/ 47		.1	.2																9	9	160	363	
46/ 45		.2		.0															7	7	90	322	
44/ 43																					19	252	
42/ 41	.0																		1	1	2	218	
40/ 39																						143	
38/ 37																						94	
36/ 35																						60	
34/ 33																						34	
32/ 31																						17	
30/ 29																						17	
28/ 27																						12	
26/ 25																						6	
24/ 23																						6	
22/ 21																						7	
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature												
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total						
D <sup>12</sup> Ib																							
Pb																							
Dew Point																							

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39-70

APR

PAGE 2

1200-1400  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21	22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B., W.B.	Dry Bulb	Wet Bulb	Dew Point	
20/ 19																						2	
18/ 17																						3	
16/ 15																						1	
TOTAL	.1	3.8	7.7	15.6	22.1	20.5	11.8	7.5	5.1	2.4	1.5	.7	.8	.1	.0					2878		2876	
																			2878		2878		



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39-70

YEARS

**MONTH**

**1500-1700**

[illegible]

REVISED PRELIMINARY EDITIONS OF THIS FORM ARE OBSOLETE

FORM  
UL 64

**USAFETAC**

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23211	HAMILTON AFB CALIF/SAN RAFAEL	39-70
STATION	STATION NAME	

APR  
MONTH

PAGE 2 1500-1700  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
18/ 17																					3
16/ 15																					2
TOTAL	.4	3.1	8.5	17.0	23.2	18.2	11.4	7.2	4.5	3.1	1.7	.8	.6	.3				2876	2879	2876	2875
																</					

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUM.

23211 HAMILTON AFB CALIF/SAN RAFAEL

39-70

APR

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1800-2000

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
80/ 79							.0				.0								2	2				
78/ 77						.0	.0	.1		.1									8	8				
76/ 75					.0	.1	.1	.2	.1	.0	.1								16	16				
74/ 73				.0	.0	.1	.0	.2	.1										11	11				
72/ 71				.1	.2	.3	.2	.1	.1	.0	.0								33	33				
70/ 69				.1	.4	.2	.2	.1											29	29	3			
68/ 67			.0	.1	.5	.5	.4	.3	.2		.0								59	59	3			
66/ 65			.2	.5	.8	.5	.5	.1	.1										80	80	8	3		
64/ 63		.0	.3	.7	1.1	.8	.9	.2	.1										100	100	20	1		
62/ 61		.4	1.1	1.2	1.0	.3	.2	.1	.0										128	128	38	9		
60/ 59		.3	1.5	2.7	2.3	1.0	.9	.2	.1										240	240	64	13		
58/ 57	.1	.9	2.8	4.0	2.2	.7	.3	.1	.0										318	320	111	39		
56/ 55	.1	1.9	4.6	4.6	2.4	.7	.1												413	414	198	69		
54/ 53	.2	2.0	7.2	5.1	1.8	.1	.0	.0											474	474	332	127		
52/ 51	.1	3.2	7.1	4.3	1.3	.1													464	464	434	180		
50/ 49	.2	2.3	4.6	3.2	.4	.0	.1												310	310	591	309		
48/ 47		1.0	2.1	1.0	.1														121	121	498	402		
46/ 45	.0	.6	.7	.4															51	51	347	451		
44/ 43	.1	.2	.4																13	13	137	460		
42/ 41		.1	.1																4	4	59	306		
40/ 39																					11	186		
38/ 37																						171		
36/ 35																						81		
34/ 33																						29		
32/ 31																						14		
30/ 29																						7		
28/ 27																						7		
26/ 25																						3		
24/ 23																						2		
22/ 21																						3		
20/ 19																						2		
TOTAL	.812	.531	1.828	1.146	6.1	3.0	1.7	1.0	.2	.2										2874		2874		
																				2874		2874		
Element (X)	Σ x <sup>2</sup>		Σ x		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature						Total							
Rel. Hum.	14425712		200118		69.613		0.78		2874		≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	90							
b	8965785		139737		55.8		3.803		77				4.9	1.2	.0		90							
b	7297780		144254		50.2		4.464		74				.2				90							
Dew Point	5968043		129993		43.2		3.540		2874				1.2				90							

FORM 0-26-S (OL A) REVISION 1-67

USAFETAC

3

## APR

39-70

MONTH

PAGE 1 2100-2300  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B., W.B.	Dry Bulb	Wet Bulb	Dew Point			
72/ 71							.0											1	1					
68/ 67					.1	.1			.1	.0								8	8					
66/ 65					.1	.1	.1	.1										13	13					
64/ 63			.1	.2	.2	.0	.1	.0										20	20					
62/ 61		.1	.3	.6	.2	.2	.1											42	42	2				
60/ 59		.2	.6	.6	.3	.2	.1	.0										58	58	12	1			
58/ 57		.8	1.5	1.4	.5	.1	.0	.1										125	126	36	7			
56/ 55	.3	2.3	3.7	1.6	.7	.1	.1	.0										254	256	77	45			
54/ 53	.1	3.2	5.6	2.1	.9	.2	.1											350	350	176	57			
52/ 51	.2	6.4	7.8	2.5	.8	.1	.0											514	514	293	127			
50/ 49	.6	9.2	9.5	2.6	.5	.0	.1											648	648	486	252			
48/ 47	.3	8.0	5.8	1.7	.3	.0												465	465	636	421			
46/ 45	.1	4.4	2.8	.6	.1													229	229	567	523			
44/ 43	.0	2.4	.9	.1														98	98	343	476			
42/ 41		.9	.4															36	36	160	410			
40/ 39	.1	.3																12	12	75	220			
38/ 37		.0																1	1	11	156			
36/ 35																					104			
34/ 33																					32			
32/ 31																					18			
30/ 29																					10			
28/ 27																					4			
26/ 25																					4			
24/ 23																					1			
22/ 21																					4			
20/ 19																					1			
TOTAL	1.8	36.3	38.8	13.9	4.7	1.3	.8	.3	.1	.0								2874	2877	2874	2873			

Element (X)	Zx'	Zx	X	Σ	No. Obs.	Mean No. of Hours with Temperature					Total
Rel. Hum.	18221354	220476	78.8	11,326	2873	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F
Wet Bulb	7503143	146395	50.9	4,528	177			3			
Dew Point	6546329	136717	47.6	3,844	174						
Dew Point	5689246	127080	44.2	4,872	173		1.3				

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0.24-5 (01 A)

**WHO**

USAFETAÇ







PSYCHROMETRIC S...

39-70

MAY

STATION

STATION NAME

## EARS

**MONTH**

PAGE 1

0600-0800

HOURS (L. S. T.)

[illegible]

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

23211  
STAT.

HAMILTON AFB CALIF/SAN RAFAEL

39-70

MAY

STATION

STATION NAME

YEARS

**MONTH**

PAGE 1

0900-1100

HOURS (L - S - T -)

[illegible]

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<u>23211</u>	<u>HAMILTON AFB CALIF/SAN RAFAEL</u>
STATION	STATION NAME

39-70

MAY

STATION

STATION NAME

YEARS

**MONTH**

PAGE 2 0900-1100

0900-1100  
HOURS (L. S. T.)

[illegible]

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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

## PSYCHROMETRIC SUMMARY

23211

HAMILTON AFB CALIF/SAN RAFAEL

39-70

MAY

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1200-1400

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B. W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
100/ 99																.0					1	1		
98/ 97																	.1				3	3		
96/ 95											.0										2	2		
94/ 93											.0				.1	.1	.0				6	6		
92/ 91											.1				.0	.0	.0				5	5		
90/ 89									.1	.1	.0	.2	.1	.1	.1	.2					24	24		
88/ 87									.0	.3	.2	.2	.2	.2	.2						33	33		
86/ 85									.1	.2	.3	.3	.1	.2	.1	.0					40	40		
84/ 83								.1	.4	.3	.3	.1	.1	.0							40	41		
82/ 81			.0		.1	.2	.3	.4	.2	.3	.1	.1	.2								59	59		
80/ 79			.0	.1	.1	.2	.3	.5	.8	.5	.4	.1	.1								79	79		
78/ 77		.0	.0	.1	.1	.2	.3	.5	.7	.6	.3	.1									98	99		
76/ 75			.1	.2	.8	1.0	1.2	1.0	.4	.2	.0										149	150	2	
74/ 73			.0	.5	1.3	1.5	1.4	.6	.1	.1	.0										164	164	7	
72/ 71			.1	.2	1.0	2.1	2.0	1.4	.4	.1	.0										215	217	18	2
70/ 69			.0	.7	2.1	2.7	2.5	1.0	.6	.1	.1										293	294	37	2
68/ 67			.2	1.3	3.2	4.0	2.0	1.2	.3	.0	.0										371	372	85	7
66/ 65			.3	2.0	5.0	3.9	2.7	.5	.2	.0											429	429	122	15
64/ 63		.1	.5	2.7	3.8	3.3	1.4	.3	.1												379	380	240	32
62/ 61		.2	.7	2.0	2.6	1.7	.9	.3	.0												249	250	340	74
60/ 59		.3	.8	1.7	1.8	1.0	.5	.0													178	178	479	143
58/ 57		.3	.8	.9	.6	.4	.1														92	92	503	196
56/ 55	.0	.1	.5	.4	.1	.2															39	39	449	295
54/ 53		.2	.0	.1	.1	.0															13	13	361	408
52/ 51		.1		.0	.0																3	3	194	435
50/ 49																							90	345
48/ 47																							26	285
46/ 45																							10	256
44/ 43																							1	161
42/ 41																								104
40/ 39																								83
38/ 37																								59
36/ 35																								27
34/ 33																								19
Element (X)	$\Sigma x^2$		$\Sigma x$		$\bar{x}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature										Total			
Rel. Hum.											≤ 0 F	≤ 32 F	> 67 F	> 73 F	> 80 F	> 93 F								
Dry Bulb																								
Wet Bulb																								
Dew Point																								

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

**23211**  
**STATION**

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70

MAY  
MONTH

PAGE 2

1200-1400  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL			
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point	
32 / 31																						9
30 / 29																						4
28 / 27																						1
26 / 25																						1
22 / 21																						1
TOTAL	.0	1.3	3.9	12.5	20.9	22.2	15.5	9.0	5.9	3.1	2.4	1.0	.9	.7	.3	.1	.1		2975		2966	
																		2966		2966		

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## 3

**MAY**

STATION

STATION NAME

YEARS

MONTH

1500-1700

HOURS (L, S, T.)

USAFETAC  
FORM 0-26-5 (OL A)  
REVISED MAY 1964  
EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

<u>23211</u>	<u>HAMILTON AFB CALIF/SAN RAFAEL</u>
STATION	STATION NAME

39-70

MAY  
MONTH

PAGE 2      1500-1700  
HOURS (L. S. T.)

[illegible]

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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

23211

HAMILTON AFB CALIF/SAN RAFAEL

39-70

MAY

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1800-2000

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B. W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
90/ 89											.0								1	1				
88/ 87												.0							1	1				
86/ 85											.1								3	3				
84/ 83								.0	.0	.1	.1			.0					7	7				
82/ 81									.1	.0	.0		.0	.0					5	5				
80/ 79				.0			.1	.0	.0	.1		.1							11	11				
78/ 77					.0	.0	.3	.1	.1	.1	.1	.1	.0						24	24				
76/ 75				.0		.2	.2	.3	.2	.1	.1	.1							34	34				
74/ 73					.1	.3	.2	.1	.1	.2	.0								34	34	1			
72/ 71			.0	.2	.2	.6	.2	.4	.1	.3									64	64	1			
70/ 69			.1	.3	.2	1.0	.5	.4	.2										79	79	5			
68/ 67			.0	.6	1.0	.8	.7	.3	.1										106	107	14			
66/ 65			.2	1.4	1.4	1.1	1.0	.4	.1										168	168	36			
64/ 63		.0	.4	1.5	1.4	1.5	.5	.3	.0										168	169	48			
62/ 61		.2	.9	2.6	2.9	1.4	.3		.0										252	253	78			
60/ 59	.1	.3	3.1	4.7	2.6	1.4	.3	.0											367	368	145			
58/ 57		1.3	5.7	5.9	3.1	.7	.2	.0											502	504	235			
56/ 55	.1	2.0	7.6	5.3	1.3	.2	.0												493	496	382			
54/ 53	.1	1.9	6.2	3.4	1.3	.1	.0												385	385	557			
52/ 51	.1	1.2	2.7	1.5	.3	.1													175	175	626			
50/ 49		.4	1.3	.4	.1														66	66	471			
48/ 47		.2	.3	.1															19	19	234			
46/ 45			.0	.1															3	3	105			
44/ 43																					24			
42/ 41																					6			
40/ 39																					111			
38/ 37																					50			
36/ 35																					31			
34/ 33																					11			
32/ 31																					4			
30/ 29																					2			
28/ 27																					3			
26/ 25																					1			
Element (X)	Σ x <sup>2</sup>		Σ x		x̄		s <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb																								
Wet Bulb																								
Dew Point																								

FORM 0-26-5 (OL A)  
JUL 64  
USAFETAC

EDITIONS OF THIS FORM ARE OBSOLETE  
REVISED BY

## PSYCHROMETRIC SUMMARY

MAY  
MONTH

PAGE 2 1800-2000  
HOURS (L. S. T.)

[illegible]

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## PSYCHROMETRIC SUMMARY

23211 HAMILTON AFB CALIF/SAN RAFAEL 39-70

MAY

MONTH

HOURS (L - S - Y)

REVISED MR. 4. EDITIONS OF THIS FORM ARE OBSOLETE

**0-26-5 (OL A)**

FORM 47

**USAFETAC**

3

## YEARS

JUN  
MONTH

0000-0200  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
78 / 77							.0				.0	.1						3	3					
76 / 75											.0	.1						3	3					
74 / 73											.1		.0					3	3					
72 / 71				.0			.0	.1	.0		.1							9	9					
70 / 69				.1	.1	.0	.1	.0	.1	.1	.0							15	15					
68 / 67				.2	.1	.2	.1	.0	.1		.0							22	22					
66 / 65			.2	.3	.4	.2	.1											30	30	2				
64 / 63		.1	.3	.6	.3	.4	.0	.0										50	50	7	1			
62 / 61		.3	.9	.9	.5	.3	.1											83	83	12	2			
60 / 59		1.5	2.4	1.5	.8	.3												182	182	46	16			
58 / 57	.1	3.2	6.0	1.9	.8	.1	.0											336	336	130	49			
56 / 55	.3	7.2	8.1	2.8	.3	.1												523	523	280	98			
54 / 53	.3	9.7	9.8	1.6	.1	.0												600	600	454	253			
52 / 51	.3	10.2	7.1	.9	.1													520	520	641	381			
50 / 49	.4	8.0	3.0	.2	.0													328	328	663	345			
48 / 47	.0	1.4	.8	.0	.0													62	62	421	633			
46 / 45		.5	.1															17	17	106	445			
44 / 43		.0																1	1	21	225			
42 / 41																				3	79			
40 / 39																				1	31			
38 / 37																					16			
36 / 35																					6			
34 / 33																					3			
32 / 31																					2			
30 / 29																					1			
28 / 27																					2			
26 / 25																					1			
24 / 23																					1			
TOTAL	1.4	2.1	3.7	1.1	1.1	3.6	1.5	.5	.3	.2	.2	.1						2787	2787		2787			
																		2787		2787				
Element (X)	ΣX <sup>2</sup>		ΣX		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.	18464063		224917		80.7		10.595		2787		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 92 F		Total	
Dry Bulb	8360485		152181		54.6		4.270		2787						1.6		.3						90	
Wet Bulb	7380350		143122		51.4		3.311		2787														90	
Dew Point	6602774		133204		48.5		3.960		2787						.2								90	

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

23211  
STATI

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-40, 42-70

JUN  
MONTH

PAGE 1

0300-0500

[illegible]



## PSYCHROMETRIC SUMMARY

**YEARS**

PAGE 1

0600-0800  
HOURS (L. S. T.)

[illegible]

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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

23211  
STATIONHAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME39-40,42-70  
YEARSJUN  
MONTH

PAGE 1

0900-1100  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point				
98/ 97														.0				1	1						
96/ 95														.0				1	1						
94/ 93												.0						1	1						
92/ 91													.0	.1		.1	.0	6	6						
90/ 89										.1	.0	.1		.1	.1			10	10						
88/ 87							.0		.0	.1	.1	.1	.1	.0	.0			15	15						
86/ 85						.0		.1	.1	.1	.1	.1	.1	.0	.0	.0		21	21						
84/ 83				.0			.1	.3	.1	.1	.2	.1	.0	.2	.0			36	36						
82/ 81						.1	.2	.3	.3	.2	.1	.1	.1					37	37						
80/ 79				.0		.1	.3	.7	.2	.3	.1	.1	.1	.1				55	55						
78/ 77			.0	.0	.3	.5	.7	.8	.5	.1	.0	.1						86	86	1					
76/ 75			.2	.0	.2	.6	1.6	.5	.3	.1	.0	.0	.0					103	104	3	1				
74/ 73			.0	.3	.6	1.4	1.5	1.0	.3	.1		.0						146	146	3	1				
72/ 71			.1	.3	.9	3.0	1.4	.8	.2	.1	.0							191	191	23	4				
70/ 69		.0	.3	.9	2.7	3.0	2.0	.6	.3	.0								272	272	40	5				
68/ 67		.0	.3	1.8	5.2	3.6	1.3	.5	.0									361	361	61	9				
66/ 65		.2	1.0	4.0	5.6	2.9	1.1	.3										418	418	134	26				
64/ 63		.3	1.5	6.0	4.0	1.4	.5	.1										384	384	224	49				
62/ 61		.3	1.7	5.6	2.3	.8	.3	.1										306	306	373	60				
60/ 59		.0	2.0	3.6	.7	.3	.0											186	186	517	166				
58/ 57		.3	1.9	.9	.0	.0												86	86	558	268				
56/ 55	.0	.3	1.1	.2	.0													46	46	477	403				
54/ 53		.2	.3	.1														16	16	244	324				
52/ 51			.1															4	4	96	474				
50/ 49																				31	330				
48/ 47																				3	172				
46/ 45																					108				
44/ 43																					62				
42/ 41																					36				
40/ 39																					30				
38/ 37																					16				
36/ 35																					10				
34/ 33																					2				
32/ 31																					2				
Element (X)	Σ X <sup>2</sup>		Σ X		X̄		s <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature							Total							
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F			Total						
Dry Bulb																									
Wet Bulb																									
Dew Point																									

FORM 0-26-5 (OL A) 0-26-5 (OL A) 0-26-5 (OL A)

USAFETAC JUL 64

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

MILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-40, 42-70

JUN

**YEARS**

MONTH

PAGE 2

0900-1100

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	*31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point			
30/29																					2			
28/27																					2			
26/25																					2			
24/23																					2			
TOTAL	.0	1.5	10.0	23.6	22.5	17.8	11.1	6.0	2.4	1.4	.8	.8	.5	.6	.2	.1	.0	2788	2789	2788	2788			

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total
						$\leq 0^\circ \text{F}$	$\leq 32^\circ \text{F}$	$\geq 67^\circ \text{F}$	$\geq 73^\circ \text{F}$	$\geq 80^\circ \text{F}$	$\geq 93^\circ \text{F}$	
Rel. Hum.	11091123	171975	61.713	164	2788			43.3	16.7	5.1	.1	90
Dry Bulb	12749425	187637	67.3	6.603	2789			4.2	.2			90
Wet Bulb	9702783	164037	58.8	4.193	2788			.3	.6	.1		90
Dew Point	7884593	147493	52.9	5.410	2788							90

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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

23211

HAMILTON AFB CALIF/SAN RAFAEL

39-40,42-70

JUN

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1200-1400

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B. W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19	20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb		Dew Point		
106/105															.0					1	1			
104/103																.0		.0		2	2			
102/101															.0			.0		2	2			
100/99													.0						1	1				
98/97													.0			.1	.1	.0	6	6				
96/95										.0	.0	.1	.1	.0	.1	.1	.2	18	18					
94/93									.0		.1	.2	.2	.2	.2	.1	.2	.1	29	29				
92/91					.0		.0	.0	.0	.0	.1	.2	.2	.2	.2	.1	.1	.0	30	30				
90/89				.0	.0		.0	.0	.1	.3	.4	.3	.2	.3	.3	.3	.1		57	57				
88/87						.1	.0	.1	.1	.3	.6	.1	.4	.3	.1	.0			56	56				
86/85				.0	.0		.1	.2	.5	.7	.5	.4	.4	.2	.0	.1			93	93				
84/83			.1	.1	.1	.1	.4	.6	.8	.5	.4	.2	.0	.0	.0				90	90	2	1		
82/81					.1	.1	.3	.6	.9	.6	.6	.1			.0				94	95	1	1		
80/79				.1	.2	.4	.5	1.4	1.7	.6	.9	.0	.0						161	162	5	1		
78/77				.2	.4	.6	1.1	1.8	1.1	.8	.1	.1			.0				174	174	11	2		
76/75				.2	.5	1.2	2.7	1.6	1.4	.5	.0								229	229	9	3		
74/73				.0	.3	.9	2.7	1.1	1.4	1.0	.1	.0							269	269	27	7		
72/71				.1	.4	1.6	4.3	2.7	1.8	.7	.1								327	327	59	0		
70/69				.2	.9	2.8	4.0	3.6	1.3	.1	.0								360	360	103	18		
68/67	.0			.2	1.0	3.7	3.6	1.9	.5	.1									308	308	174	28		
66/65		.0		.2	1.3	3.7	1.9	.8	.1	.0									227	227	261	50		
64/63		.1		.1	1.5	1.8	.6	.4	.0										127	127	415	67		
62/61		.0		.1	1.1	.6	.2	.1											58	58	485	131		
60/59				.3	.9	.3	.1	.0											43	43	486	190		
58/57				.2	.3	.0													13	13	417	323		
56/55		.1		.0	.0														5	5	202	422		
54/53		.0		.1															4	4	83	399		
52/51		.1																	2	2	37	354		
50/49																					9	274		
48/47																						197		
46/45																						127		
44/43																						77		
42/41																						35		
40/39																						26		
Element (X)	Σ X <sup>2</sup>		Σ X		Σ		Σ X		No. Obs.		Mean No. of Hours with Temperature										Total			
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 90 F		≥ 93 F		Total	
Dry Bulb																								
Wet Bulb																								
Dew Point																								

FORM 0-26-5 (OL A) REVISED JUL 64  
USAFETAC

EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

23211	HAMILTON AFB CALIF/SAN RAFAEL	39-40,42-70
STATION	STATION NAME	

JUN

MONTH

PAGE 2

1200-1400

HOURS (L, S, T)

[illegible]

USAFETAC FORM 0-26.5 (OLA)  
REVISED 1978  
EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23211  
STATION

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-40,42-70  
YEARS

JUN  
MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
106/105																		.0	1	1				
104/103															.0			.0	1	1				
102/101																		.0	1	1				
100/ 99																		.0	1	1				
98/ 97									.0		.0	.0		.0	.1	.1	.1	.1	12	12				
96/ 95									.0	.1	.0	.0	.1	.1	.2	.2	.1	.1	16	16				
94/ 93									.0	.1	.0	.1	.1	.1	.1	.2	.1	.1	20	20				
92/ 91					.0		.0	.1	.1	.0	.1	.1	.1	.3	.2	.2	.0	.0	40	40				
90/ 89						.1	.0	.1	.0	.1	.3	.1	.4	.4	.1	.1	.1	.1	45	45				
88/ 87							.1	.1	.1	.4	.3	.3	.4	.3	.1	.1			58	58				
86/ 85					.1	.1	.1	.2	.4	.5	.2	.7	.6	.1	.0				85	85				
84/ 83				.1	.0	.1	.2	.3	.4	.5	.6	.4	.4	.0					84	84	1			
82/ 81				.0	.0	.2	.2	.5	.5	.6	.5	.4	.1	.0					86	86	1 1			
80/ 79				.1	.2	.4	.5	1.0	.9	1.1	.5	.2	.0						139	139	8			
78/ 77				.1	.2	.5	1.5	1.3	1.4	1.3	.5	.1							187	187	8 4			
76/ 75		.0	.2	.4	1.4	2.3	1.7	1.9	.9	.3	.1								255	255	17 3			
74/ 73			.1	.2	.9	1.7	2.6	2.0	1.1	.3	.0	.0							251	251	23 9			
72/ 71			.1	.3	1.3	2.5	2.9	2.1	1.1	.3									292	292	46 10			
70/ 69			.0	.8	2.5	3.6	2.7	1.7	.4	.1									331	331	73 14			
68/ 67			.1	.6	2.6	3.7	2.4	.4	.0										276	276	137 30			
66/ 65			.3	.9	2.9	3.1	1.2	.1	.0										235	235	239 35			
64/ 63		.1	.2	1.1	2.0	1.9	.5												163	163	339 49			
62/ 61	.0	.0	.3	.9	1.5	.4	.2	.0											97	97	456 107			
60/ 59			.3	1.0	.9	.2	.0												65	65	475 183			
58/ 57		.1	.1	.4	.2	.1													25	25	436 229			
56/ 55		.1	.2	.1															13	13	306 311			
54/ 53		.1	.1																5	5	137 320			
52/ 51		.0																	1	1	68 349			
50/ 49																					12 362			
48/ 47																					3 311			
46/ 45																					185			
44/ 43																					131			
42/ 41																					61			
40/ 39																					29			
Element (X)	Σ X <sup>2</sup>		Σ X		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature										Total	
Rel. Hum.													≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F			Total			
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OL A) JUL 64



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

23211  
STATIC

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-40, 42-70

JUN  
MONTH

PAGE 2 1500-1700

HOURS (L. S. T.)

USAFETAC  
FC™  
IN. 04  
0-26-5 (ULA)  
REVISED PER <sup>100-10</sup>EDITIONS OF THIS FORM ARE OBSOLETE

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<u>23211</u>	<u>HAMILTON AFB CALIF/SAN RAFAEL</u>	<u>39-40,42-70</u>
STATION	STATION NAME	

JUN

MONTH

PAGE 1 1800-2000  
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OLA) REVISED MAY 1964 EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

23211  
STATI

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-40, 42-70

JUN  
MONTH

PAGE 2

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HOURS (L, S, T.)



## PSYCHROMETRIC SUMMARY

23211	HAMILTON AFB CALIF/SAN RAFAEL
STATION	STATION NAME

39-70

JUL  
MONTH

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HOURS (L. S. T.)

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

23211  
STATI

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70

JUL  
MONTH

PAGE 1

0300-0300

HOURS (L. S. I.)

[illegible]



### PSYCHROMETRIC SUMMARY

39-70

JUL

PAGE 1 0600-0800

3



JUL

YEARS

0900-1100

HOURS (L. S.)

FORM 0-26.5 (OL A) REVISED 12-64 EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

## PSYCHROMETRIC SUMMARY

39-70

444

MONTH

PAGE 1

1200-1400

HOURS (L. S. ?)

[illegible]

## PSYCHROMETRIC SUMMARY

39-70

JUL

PAGE 2

1200-1400  
HOURS (L. S. T.)

3

**YEARS**

JUL

**MONTH**

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
102/101													.0			.0		.1	4	4					
100/99														.0	.0			.1	5	5					
98/97										.0	.0				.0	.1	.1	.0	8	8					
96/95										.1			.0		.0	.2	.0	.2	18	18					
94/93														.0	.2	.1			8	8					
92/91								.0	.0		.1	.0	.2	.1	.2	.1			21	21					
90/89								.1	.1	.0	.2	.3	.3	.3	.3	.1	.0		50	50					
88/87						.0	.0	.1	.4	.7	.5	.2	.2	.1	.0				66	66					
86/85					.1	.2	.1	.2	.6	.7	.7	.4	.1	.1					95	95					
84/83					.0	.2	.1	.5	1.1	.6	.8	.5	.1	.1	.0				121	121					
82/81				.0	.1	.3	.5	1.6	1.5	.8	.7	.3	.1						181	181	1				
80/79				.1	.2	.5	1.4	2.7	2.0	1.7	.6	.2							279	279	3				
78/77				.1	.4	1.0	3.1	3.1	2.5	.9	.2								338	338	10				
76/75				.5	.9	2.7	4.6	2.7	1.7	.8	.1	.0							417	417	13				
74/73			.1	.8	1.4	4.2	4.8	2.3	.8	.1									433	433	24				
72/71			.2	.5	2.4	4.8	3.1	1.1	.3										369	369	60				
70/69			.2	.4	2.4	3.7	1.7	.3	.0										260	260	159				
68/67			.1	.4	2.7	1.7	.8	.0											169	169	321				
66/65			.2	.3	1.2	.9	.1												83	83	470				
64/63			.1	.4	.6	.1													36	36	608				
62/61			.1	.1	.1														9	9	592				
60/59	.0	.0	.1	.1															.6	.6	435				
58/57																					212				
56/55																					61				
54/53																					7				
52/51																					411				
50/49																					315				
48/47																					231				
46/45																					127				
44/43																					77				
42/41																					28				
40/39																					23				
38/37																					11				
36/35																									
Element (X)	Σ X <sup>2</sup>		Σ X		X̄		s <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F				
Dry Bulb																									
Wet Bulb																									
Dew Point																									

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

23211  
STATI

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

**39-70**

YEARS

JUL

MONTH

PAGE 2

**1500-1700**  
**HOURS (L. S. T.)**



3

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

23211

STATION

HAMILTON AFB CALIF/SAN RAFAEL

STATION NAME

39-70

YEARS

JUL

MONTH

PAGE 1

1800-2000

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL										
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point									
98/ 97																	.0	1	1											
96/ 95																	.0	1	1											
94/ 93									.0					.0	.0			3	3											
92/ 91														.0	.0	.0		2	2											
90/ 89												.0		.1				4	4											
88/ 87								.0	.0	.0		.1	.0	.0	.0			8	8											
86/ 85						.0		.0	.0	.0	.2	.1	.1	.1				19	19											
84/ 83						.1	.0	.1	.0	.0	.1	.2	.0					19	19											
82/ 81						.1	.0	.1	.1	.4	.1	.1	.1	.0				24	24											
80/ 79				.0	.0	.2	.2	.3	.3	.4	.1	.0						51	51											
78/ 77				.0	.2	.3	.5	.3	.4	.3	.2							64	64	1										
76/ 75				.1	.3	.7	.7	.7	.5	.4	.1	.0						102	102	1										
74/ 73			.0	.4	.8	1.4	1.4	1.5	.4	.1								185	185	7										
72/ 71			.2	.7	2.0	2.2	1.4	1.1	.1	.1								232	232	6	3									
70/ 69		.0	.3	1.7	3.6	3.3	1.6	.5	.1									330	330	27	3									
68/ 67			.5	2.5	4.3	3.4	1.2	.3										365	365	54	8									
66/ 65	.0	.1	1.3	3.5	4.7	2.5	.4	.0										372	372	144	29									
64/ 63	.0	.1	1.3	3.1	4.1	.8	.1	.1										345	345	262	47									
62/ 61		.3	2.0	3.0	2.5	.2												296	296	419	115									
60/ 59		.4	4.2	4.1	1.2	.0												297	297	527	175									
58/ 57		.6	3.1	1.9														170	170	587	307									
56/ 55		.5	1.5	.2														65	65	552	393									
54/ 53		.1	.4	.1														17	17	288	545									
52/ 51																				87	540									
50/ 49																				10	412									
48/ 47																					240									
46/ 45																					91									
44/ 43																					28									
42/ 41																					23									
40/ 39																					5									
38/ 37																					5									
36/ 35																					1									
32/ 31																					1									
Element (X)	Σ X <sup>2</sup>					Σ X					X					σ <sub>x</sub>					No. Obs.					Mean No. of Hours with Temperature				
Rel. Hum.																										≤ 0 F    ≤ 32 F    ≥ 67 F    ≥ 73 F    ≥ 80 F    ≥ 93 F    Total				
Dry Bulb																														
Dew Point																														

REVISIONS OF THIS FORM ARE OBSOLETE

REVISED 10-70

FORM 0-26-5 (OL A)

FORM 0-26-5 (OL A)

FORM 0-26-5 (OL A)

FORM 0-26-5 (OL A)

FORM 0-26-5 (OL A)

FORM 0-26-5 (OL A)

FORM 0-26-5 (OL A)

FORM 0-26-5 (OL A)

FORM 0-26-5 (OL A)

FORM 0-26-5 (OL A)

FORM 0-26-5 (OL A)

FORM 0-26-5 (OL A)

3

## YEARS

JUL  
MONTH

HOURS (L. S. T.)

[illegible]

USAFETAC  
FORM JUL 64  
0-26-5 (OL A)  
REVISED IN: 1  
EDITIONS OF THIS FORM ARE OBSOLETE

**USAFETAC**

3

## YEARS

JUL

HOURS (L, S, T.)

## PSYCHROMETRIC SUMMARY

AUG

STATION

STATION NAME

YEARS

**MONTH**

PAGE 1 0000-0200  
HOURS (L. S. T.)

REVISED EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM 0-26-5 (01-A)

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

23211	HAMILTON AFB CALIF/SAN RAFAEL
STATION	STATION NAME

39-70

AUG

MONTH

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**0300-0500**  
**HOURS (L. S. T.)**

[illegible]

USAFETAC FORM 0-26-5 (OL A) REVISED PER: EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

23211	HAMILTON AFB CALIF/SAN RAFAEL
STATION	STATION NAME

39-70

YEARS

AUG  
MONTH

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0600-0800  
HOURS (L. S. T.)

[illegible]

**REVISED BY:** \_\_\_\_\_  
EDITIONS OF THIS FORM ARE OBSOLETE

FORM 7-26-5 (01 A)

**USAFETAC**



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

## PSYCHROMETRIC SUMMARY

<u>23211</u>	<u>HAMILTON AFB CALIF/SAN RAFAEL</u>
STATION	STATION NAME

39-70

AUG

PAGE 1 0900-1100  
HOURS (L. S. T.)

## PSYCHROMETRIC SUMMARY

AUG

STATION

STATION NAME

YEARS

**NOTE**

PAGE 1

1200-1400

HOURS (L, S, T, )



3

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

## PSYCHROMETRIC SUMMARY

23211

HAMILTON AFB CALIF/SAN RAFAEL

39-70

AUG

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1500-1700

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31					Dry Bulb	Wet Bulb	Dew Point
102/101																.0	.0				2	2		
98/97																.0	.0				2	2		
96/95													.0			.0	.1				5	5		
94/93												.1	.1	.4	.2	.2	.0				26	26		
92/91											.1	.3	.2	.2	.2	.1					32	32		
90/89						.0				.0	.5	.2	.3	.4	.0	.1					46	46		
88/87					.0		.1	.1	.1	.1	.4	.5	.4	.3	.0	.0					61	61		
86/85								.1	.3	.7	.4	.6	.2	.1							73	73		
84/83				.0	.1	.1	.0	.2	.8	.8	.9	.7	.2								117	117		
82/81				.1	.0	.1	.5	.9	1.5	.8	.7	.2	.0								147	147		
80/79					.2	.5	1.5	2.3	2.3	1.5	.3	.1									268	268	2	
78/77				.2	.3	.8	2.8	3.2	2.2	.9	.2	.0									318	319	2	1
76/75			.1	.4	.6	3.1	4.5	3.4	1.6	.4	.1										422	422	6	3
74/73			.1	.5	1.0	4.6	4.5	2.8	.5	.1											429	429	12	5
72/71	.0		.1	.4	2.0	6.0	3.5	1.0	.0												384	386	37	5
70/69			.0	.9	2.9	4.4	1.6	.1	.0												298	299	131	11
68/67			.1	.4	2.4	2.0	.3	.1													156	156	237	29
66/65			.4	1.3	2.0	.3	.1														121	121	496	48
64/63		.0	.2	.5	.6	.0															43	43	689	70
62/61		.0	.2	.3	.1																17	17	638	155
60/59			.0	.1																	5	5	500	357
58/57																							182	498
56/55																							34	557
54/53																							6	409
52/51																								389
50/49																								214
48/47																								96
46/45																								53
44/43																								37
42/41																								18
40/39																								8
38/37																								4
36/35																								4
34/33																								1
32/31																								
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature												Total	
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F								
Dry Bulb																								
Dew Point																								

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

**23211**  
STATI

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70

**YEARS**

**AUG**

**MONTH**

PAGE 2

1500-1700  
HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

FORM

**USAFETAC**

## PSYCHROMETRIC SUMMARY

23211      HAMILTON AFB CALIF/SAN RAFAEL  
STATION      STATION NAME

39-70

AUG  
MONTH

PAGE 1 1800-2000  
HOURS (L. S. T.)



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

23211	HAMILTON AFB CALIF/SAN RAFAEL
STATION	STATION NAME

39-70

AUG

YEARS

**MONTH**

PAGE 1

2100-2300  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
78/ 77									.0									1	1			
76/ 75										.0								1	1			
74/ 73						.0	.1	.0	.0									5	5			
72/ 71				.1	.1	.0	.1	.0										10	10			
70/ 69		.0	.1	.3	.2	.2	.2	.1	.0									32	32			
68/ 67		.1	.3	.4	.6	.3	.1	.0	.0	.1	.0							62	62	3	2	
66/ 65			.8	1.1	1.2	1.0	.0											124	124	6	1	
64/ 63		.3	1.7	2.3	1.7	.3	.1											187	189	28	3	
62/ 61		.8	3.8	4.4	2.1	.2												335	335	69	21	
60/ 59		1.9	7.6	6.1	1.1	.1												500	500	156	52	
58/ 57		3.9	11.8	3.0	.3													560	560	355	115	
56/ 55	.1	9.4	10.3	1.0														617	619	655	241	
54/ 53	.1	8.8	4.2	.1														392	393	885	501	
52/ 51	.1	3.5	.4	.0														118	118	616	784	
50/ 49		.8	.0															24	24	180	781	
48/ 47																				17	351	
46/ 45																					85	
44/ 43																					24	
42/ 41																					2	
40/ 39																					1	
38/ 37																					1	
36/ 35																					2	
34/ 33																					1	
32/ 31																					1	
30/ 29																					1	
28/ 27																					1	
TOTAL	.229	.4	1.0	18.9	7.3	2.2	.6	.2	.1	.1	.0							2970	2974		2970	

3

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

23211

STATION

HAMILTON AFB CALIF/SAN RAFAEL

STATION NAME

39-70

YEARS

SEP

MONTH

PAGE 1

0000-0200

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
88/ 87														.0				1	1					
80/ 79								.0	.0									2	2					
78/ 77										.0								2	2					
76/ 75							.1					.1	.0					4	4					
74/ 73							.0	.1	.0		.0							6	6					
72/ 71				.0	.1	.0	.0				.1	.0						11	11					
70/ 69			.1	.1	.1	.1	.0	.1			.1							18	18					
68/ 67		.0	.1	.2	.3	.2	.2	.1	.1	.1								36	36	1				
66/ 65	.0	.1	.3	.1	.3	.3	.3		.0	.1	.1							66	66	8	1			
64/ 63		.7	.7	1.0	.8	.4	.3	.0		.0	.1							113	113	16	5			
62/ 61		1.0	2.3	1.1	.9	.3	.2	.1										173	173	33	21			
60/ 59	.0	2.3	3.8	2.4	1.0	.2	.1	.1										285	285	93	44			
58/ 57	.3	4.4	6.9	2.6	.9	.1	.2											430	430	220	89			
56/ 55	.2	8.0	6.2	1.8	.4	.2	.1											483	486	359	190			
54/ 53	.2	11.8	5.0	1.3	.5	.2												548	548	608	334			
52/ 51	.3	8.4	2.9	.8	.2	.1												367	367	648	516			
50/ 49	.4	4.3	2.0	.2	.0	.1												208	208	430	613			
48/ 47	.1	1.8	.7	.1	.1													81	81	241	415			
46/ 45	.1	.7	.2		.1													32	32	128	277			
44/ 43	.0	.2	.0	.0														8	8	43	150			
42/ 41																				19	69			
40/ 39																				4	47			
38/ 37																				3	30			
36/ 35																					10			
34/ 33																					17			
32/ 31																					15			
30/ 29																					13			
28/ 27																					7			
26/ 25																					6			
24/ 23																					1			
22/ 21																					1			
18/ 17																					2			
14/ 13																					1			
Element (X)	Σ x <sup>2</sup>		Σ x		x̄		s <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature										Total			
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F								
Dry Bulb																								
Wet Bulb																								
Dew Point																								

REVISIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

USAFETAC

## PSYCHROMETRIC SUMMARY

**YEARS**

0000-0200  
HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED M1 EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23211 HAMILTON AFB CALIF/SAN RAFAEL

39-70

SEP

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0300-0500

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
78/ 77											.0							1	1		
76/ 75									.0		.0	.0						3	3		
74/ 73						.0	.1			.0	.0							5	5		
72/ 71						.0	.1			.0		.0						5	5		
70/ 69				.0		.1				.1	.1							7	7		
68/ 67			.0	.1	.2	.0		.0	.0	.1								15	15		
66/ 65	.1	.0	.4	.1	.1	.2	.1			.0								29	29	2	2
64/ 63	.1	.5	.3	.3	.1	.3	.1	.1			.0							53	53	9	1
62/ 61	.0	.9	1.8	.9	.5	.5	.1	.1	.1	.0								140	140	39	15
60/ 59	.2	1.8	3.1	1.2	.7	.3	.1	.0		.0								218	218	73	39
58/ 57	.4	4.1	3.9	2.0	.4	.1	.1											316	316	133	74
56/ 55	.7	8.1	4.3	1.3	.4	.3	.1											437	438	337	142
54/ 53	.8	11.5	4.9	1.0	.3	.1												538	540	455	322
52/ 51	1.0	11.3	2.7	.7	.3	.2												468	468	609	456
50/ 49	2.2	6.8	2.1	.4	.3													339	339	541	584
48/ 47	1.0	3.6	.9	.2	.2													169	169	313	486
46/ 45	.5	1.7	.4	.1	.0													79	79	210	276
44/ 43	.1	.8	.1	.2	.0													36	36	78	177
42/ 41	.0	.4		.0														13	13	48	110
40/ 39		.0	.0	.0														3	3	18	61
38/ 37																				7	52
36/ 35																				1	18
34/ 33																				1	15
32/ 31																					16
30/ 29																					14
28/ 27																					6
26/ 25																					3
24/ 23																					2
16/ 15																					1
14/ 13																					2
TOTAL	7.3	51.6	25.1	8.7	3.5	2.1	.7	.3	.1	.3	.2	.1						2874	2877	2874	2874
Element (X)	Σ x <sup>2</sup>		Σ x		X		s <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature						Total				
Rel. Hum.	20344657		239091		82.212,668		2874				≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F					
Dry Bulb	8470448		199494		54.0 4,806		2877						1.1	.3							
Wet Bulb	7589148		147200		51.2 4,167		74														
Dew Point	6888788		139862		48.7 3,357		74						1.4								

3

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

23211  
STATIONHAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME39-70  
YEARSSEP  
MONTH

PAGE 1

0600-0800  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL									
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point												
84/ 83									.0									1	1													
80/ 79								.1	.0		.0		.0			.0		4	4													
78/ 77								.0	.0		.0	.0	.0					4	4													
76/ 75							.1	.0	.0	.0	.0	.0	.1					8	8													
74/ 73						.1	.1	.1	.0	.0								12	12													
72/ 71					.1	.2	.4	.1	.1	.0	.1							30	30													
70/ 69				.2	.3	.2	.3	.1	.0	.1	.1							41	41													
68/ 67			.2	.4	.6	.2	.1	.2	.1	.0								51	51	1												
66/ 65	.1	.2	.6	.6	.9	.5	.2	.1	.1	.0								95	95	11	3											
64/ 63		.8	1.7	2.5	1.1	.5	.4	.2			.0							210	210	35	2											
62/ 61			.8	3.4	3.0	1.0	.3	.2	.1									250	250	72	32											
60/ 59	.0	2.2	5.8	2.6	.8	.3	.1	.0		.0								344	344	162	48											
58/ 57	.1	4.7	5.5	2.0	.7	.1	.0	.0	.0									371	372	329	136											
56/ 55	.5	7.2	5.1	1.2	.2	.1	.0											414	414	482	238											
54/ 53	1.3	7.6	3.4	.6	.3	.1												385	385	549	470											
52/ 51	1.2	5.7	2.2	.5	.2	.0	.0											284	284	502	550											
50/ 49	1.0	4.1	1.3	.1	.2													194	194	326	486											
48/ 47	.7	2.3	.7	.1	.1													111	111	202	351											
46/ 45	.2	.9	.3		.0													42	42	122	226											
44/ 43	.1	.3	.0		.0													14	14	50	110											
42/ 41		.2	.0	.0														7	7	23	79											
40/ 39		.1		.0														4	4	5	46											
38/ 37																				2	34											
36/ 35																				2	21											
34/ 33																				1	13											
32/ 31																					13											
30/ 29																					5											
28/ 27																					6											
26/ 25																					1											
24/ 23																					1											
22/ 21																					1											
18/ 15																					2											
14/ 13																					1											
Element (X)	Σ x <sup>2</sup>		Σ x		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature						Total	
Rel. Hum.																									≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F		
D. Bulb																																
Wet Bulb																																
Dew Point																																

FORM 0-26-5 (OL A) REVISED 10-1-64 EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

## PSYCHROMETRIC SUMMARY

23211	HAMILTON AFB CALIF/SAN RAFAEL
STATION	STATION NAME

39-70

**YEARS**

SEP  
MONTH

PAGE 2

0600-0800  
HOURS (L. S. T.)

[illegible]





## PSYCHROMETRIC SUMMARY

23211

HAMILTON AFB CALIF/SAN RAFAEL

39-70

SEP

STATION

STATION NAME

**YEARS**

MONTH

PAGE 2

0900-1100

HOURS (L. S. T.)

3

11

39-70 -

SEP  
MONTH

PAGE 1 1200-1400  
HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OLA)  
REVISED 1912 EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

23211      HAMILTON AFB CALIF/SAN RAFAEL      39-70  
STATION      STATION NAME

SEP  
MONTH

PAGE 2      1200-1400  
HOURS (L. S. T.)

3

SEP  
MONTH

39-70

**YEARS**

1500-1700

HOURS (L. S. T.)

[illegible]

USAFETAC  
FORM 0-26-5 (OL A)  
JUL 64  
EDITIONS OF THIS FORM ARE OBSOLETE

3

SEP

**39-70**

YEARS

1500-1700  
HOURS (L. S. T.)

**USAFETAC**  
 FORM  
 JUL 64  
 0-26-5 (OL A)  
 REVISED PER 73 EDITIONS OF THIS FORM ARE OBSOLETE



3

**YEARS**

39-70

SEP  
MONTH

1800-2000  
HOURS (L. S. T.)

USAFETAC  
FORM 0-26-5 (OL A)  
JUL 64  
REVISED IN 4 EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

23211  
STAT

HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70

SEP  
MONTH

PAGE 2

**1800-2000**  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
30/ 29																						4
28/ 27																						5
26/ 25																						5
24/ 23																						4
22/ 21																						1
20/ 19																						2
18/ 15																						2
TOTAL		4.2	24.5	26.2	18.4	8.8	5.7	3.2	2.9	2.3	1.4	1.1	.8	.3	.1	.1	.0		2874	2876		2874
																		2874		2874		

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

<u>23211</u>	<u>HAMILTON AFB CALIF/SAN RAFAEL</u>
STATION	STATION NAME

39-70

SEP

YEARS

MONTH

PAGE 1      2100-2300  
HOURS (L. S. T.)

HOURS (L. S. T.)

[illegible]

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## YEARS

SEP  
MONTH

HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OLA) REVISED MAY 1965 EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

**DCT**

STATION

STATION NAME

YEARS

**MONTH**

PAGE 1

0000-0200

HOURS (L. S. T.)

[illegible]

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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

23211  
STATIONHAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME39-70  
YEARSOCT  
MONTH

PAGE 1

0300-0500  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31			Dry Bulb	Wet Bulb	Dew Point	
76/ 75											.1								3	3			
74/ 73												.1							2	2			
72/ 71											.0								1	1			
66/ 65				.1	.0	.0			.1										9	9			
64/ 63	.1	.3	.2	.0	.0	.0	.1	.1	.1										28	28	5	3	
62/ 61	.1	.8	.9	.2	.1	.1	.1	.1	.1	.0									76	76	14	9	
60/ 59	.4	2.2	1.3	.4	.1	.1	.2	.2	.1										146	146	63	26	
58/ 57	.4	4.4	2.0	1.0	.3	.3	.2	.1											259	259	122	67	
56/ 55	.8	5.0	2.3	1.0	.7	.3	.1	.2	.0										317	317	218	140	
54/ 53	1.1	4.9	3.2	1.3	.8	.4		.0											350	350	270	208	
52/ 51	1.7	7.7	3.0	1.5	.6	.3	.1												446	447	328	262	
50/ 49	2.4	6.9	3.6	1.7	.7	.4	.1												470	472	464	383	
48/ 47	2.4	6.2	2.0	1.1	.7	.2													371	371	483	355	
46/ 45	1.4	3.6	1.1	.6	.3														218	218	388	361	
44/ 43	1.0	2.5	.6	.3	.4														146	146	250	305	
42/ 41	.5	.9	.3	.3	.1														70	70	168	246	
40/ 39	.3	.6	.2	.1															38	38	96	148	
38/ 37	.1	.3	.1		.0														17	17	54	121	
36/ 35			.0																1	1	36	80	
34/ 33		.0																	1	1	6	52	
32/ 31																					2	50	
30/ 29																					1	47	
28/ 27																						26	
26/ 25																						31	
24/ 23																						20	
22/ 21																						6	
18/ 17																						2	
16/ 15																						1	
14/ 13																						1	
TOTAL	12.8	46.5	21.4	9.6	5.2	2.3	.9	.6	.4	.0	.1	.1							2969	2972		2970	
Element (X)	ΣX <sup>2</sup>			ΣX			Σ			Σ			No. Obs.			Mean No. of Hours with Temperatures						Total	
Rel. Hum.	20753611			244079			82.215.298			2970			≤ 0 F			≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F		93	
Dry Bulb	7940109			182819			51.5 5.275			2972							2	4				93	
Wet Bulb	7093578			144300			48.6 5.275			2970												93	
Dew Point	6342587			135533			48.6 7.287			2970												93	

FORM 0-26-5 (OLA) REVISED 11-64  
USAFETAC  
EDITIONS OF THIS FORM ARE OBSOLETE



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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

23211 HAMILTON AFB CALIF/SAN RAFAEL

39-70

OCT

STATION

STATION NAME

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PAGE 1

0600-0800

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B.-W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
82/ 81												.0	.0	.0				2	2						
78/ 77												.0	.0					2	2						
76/ 75												.0						1	1						
72/ 71												.0						1	1						
70/ 69							.0		.0	.1	.0	.0						6	7						
68/ 67					.0	.1	.1	.1	.0	.0								9	9						
66/ 65		.1	.1	.4	.1	.2	.1	.1	.0	.1								36	36						
64/ 63	.0	.4	.6	.4	.4	.1	.3	.1	.1	.1								73	73	7	4				
62/ 61	.1	1.3	1.1	.7	.5	.3	.2	.1	.1	.1	.0							134	134	25	13				
60/ 59	.2	2.2	2.0	1.3	.6	.4	.3	.3	.2									227	227	91	39				
58/ 57	.2	3.5	3.3	1.5	.6	.5	.1	.1	.1									296	296	148	80				
56/ 55	.8	5.5	3.6	1.2	.9	.4	.1	.1										378	378	274	176				
54/ 53	1.2	5.0	3.3	1.1	.8	.3	.1											351	351	367	249				
52/ 51	1.6	6.2	3.0	.9	.4	.5	.2											382	382	392	326				
50/ 49	2.6	6.0	2.6	.9	.6	.3												383	383	435	395				
48/ 47	1.8	4.1	1.6	.9	.4	.1												266	267	418	356				
46/ 45	1.9	3.5	1.1	.6	.3													221	221	317	351				
44/ 43	.6	1.5	.7	.3	.1													96	96	206	248				
42/ 41	.5	.7	.2	.3														52	52	134	211				
40/ 39	.3	.6	.1	.2														39	39	85	124				
38/ 37	.0	.2	.2	.0														14	14	40	105				
36/ 35		.1	.0															3	3	24	75				
34/ 33		.0																1	1	7	60				
32/ 31																				3	56				
30/ 29																					35				
28/ 27																					24				
26/ 25																					24				
24/ 23																					6				
22/ 21																					10				
20/ 19																					1				
18/ 17																					5				
TOTAL	11.9	41.2	3.6	10.9	5.7	3.3	1.4	1.0	.5	.3	.1	.1	.0					2973		2973					
Element (X)	Σx²		Σx		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature										Total				
Rel. Hum.	20141431		239927		80.7		16.188		2973		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F					93				
Dry Bulb	8392403		197055		52.8		5.834		2973				.7	.2	.1						93				
Wet Bulb	7388939		147363		49.6		5.334		2973				.1								93				
Dew Point	6550225		127879		46.4		7.240		2973		5.0										93				

FORM 0-26-5 (OL A) REVERSED BY EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC JUL 64

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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

23211

HAMILTON AFB CALIF/SAN RAFAEL

39-70

OCT

STATION

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0900-1100

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dr. Bulb	Wet Bulb	Dew Point				
90/ 89																	.0		1	1				
88/ 87															.0	.0	.0		2	2				
86/ 85												.0	.0		.0			3	3					
84/ 83										.0	.0		.0		.0			4	4					
82/ 81												.1	.0					3	3					
80/ 79					.0	.0	.1	.0	.1	.2	.1	.1	.0					22	22					
78/ 77					.0	.1	.0	.3	.4	.1	.3	.1	.1		.0			43	43					
76/ 75					.0	.1	.2	.2	.4	.3	.3	.1	.1					52	52					
74/ 73						.4	.5	.6	.3	.3	.1			.0				69	69					
72/ 71			.1	.4	.7	.9	.6	.5	.3	.3	.1							115	115	1				
70/ 69		.0	.1	.5	1.2	1.2	1.4	.7	.8	.5	.2	.0						200	200	4				
68/ 67	.0	.0	.3	1.4	2.3	1.4	1.2	.8	.6	.3	.2							256	257	9				
66/ 65		.2	1.0	3.1	3.1	1.3	1.1	.6	.5	.2	.0							331	331	23				
64/ 63	.0	.8	2.6	4.5	2.6	1.3	.7	.8	.2	.0	.0							407	407	89				
62/ 61	.0	.8	3.0	5.3	2.3	1.1	.6	.3	.2	.1								410	410	233				
60/ 59	.0	2.2	5.5	3.7	1.3	.5	.6	.0	.1									419	419	422				
58/ 57	.1	2.1	4.0	1.5	.7	.5	.2	.1	.1									276	276	543				
56/ 55	.4	2.0	2.3	.6	.4	.3	.1	.0										180	180	642				
54/ 53	.3	1.7	.9	.2	.2	.1												101	101	414				
52/ 51	.4	.8	.2	.1	.1	.1												50	50	302				
50/ 49	.2	.3	.1	.1														20	20	159				
48/ 47		.1																3	3	75				
46/ 45	.0	.0																2	2	40				
44/ 43																				10				
42/ 41																				4				
40/ 39																				71				
38/ 37																				68				
36/ 35																				53				
34/ 33																				35				
32/ 31																				17				
30/ 29																				27				
28/ 27																				8				
26/ 25																				10				
24/ 23																				12				
Element (X):	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature																		
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total												
Dry Bulb																								
Wet Bulb																								
Dew Point																								

FORM 0-26-5 (OLA)  
JUL 64  
USAFETAC

REVISED BY

EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

23211

HAMILTON AFB CALIF/SAN RAFAEL

39-70

OCT

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STATION NAME

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0900-1100

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
22/ 21																					5
20/ 19																					6
18/ 17																					3
10/ 9																					1
8/ 7																					1
TOTAL	1.5	11.1	20.0	21.3	14.7	9.3	7.7	5.2	4.1	2.4	1.8	.5	.2	.1	.1	.0			2970		2970
																		2969		2970	
				</																	

REVISED EDITIONS OF THIS FORM ARE OBSOLETE

**D-26-5 (OL A)**

WHO

**USAFETAC**

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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

23211 HAMILTON AFB CALIF/SAN RAFAEL

39-70

OCT

STATION

STATION NAME

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1200-1400

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
96/ 95																	.1	2	2					
94/ 93													.0				.0	2	2					
92/ 91														.0				1	1					
90/ 89											.1	.1	.2	.2	.0	.1		17	17					
88/ 87										.0	.1	.2	.1	.1	.1			17	17					
86/ 85							.0	.0	.2	.2	.4	.3	.3	.1	.1	.1		56	56					
84/ 83							.1	.1	.1	.2	.5	.5	.4	.2	.1			66	66					
82/ 81						.1	.2	.1	.2	.6	.7	.5	.3	.0	.1			84	84					
80/ 79						.1	.2	.2	.4	.6	.8	.6	.1	.1				94	94					
78/ 77					.0	.2	.2	.9	.8	1.0	.7	.7	.2					140	140					
76/ 75				.0	.2	.2	.7	1.4	1.1	.8	.5	.3	.2					164	164					
74/ 73				.1	.8	1.6	1.5	1.9	.8	.6	.7	.3	.1					251	251		1			
72/ 71			.1	.5	1.1	2.1	1.9	1.5	.9	.7	.4	.2	.1					282	282		9			
70/ 69			.1	1.1	2.4	3.2	2.7	1.3	.9	.4	.3	.2						375	375		27			
68/ 67		.1	.6	2.2	4.0	2.9	1.2	.6	.4	.2	.1							367	367		43			
66/ 65	.0	.3	1.3	2.7	3.7	1.6	1.1	.5	.3	.1								342	342		137			
64/ 63		.4	1.7	3.2	2.3	1.3	.5	.3	.2	.1	.0							293	293		285			
62/ 61		.7	1.6	2.4	1.1	.5	.2	.2	.1									200	200		496			
60/ 59	.2	1.0	1.5	1.2	.3	.3	.2	.1	.0									145	145		643			
58/ 57	.1	.9	.6	.2	.2	.1	.0											59	59		553			
56/ 55	.0	.4	.1	.1		.0	.0											19	19		387			
54/ 53																					216			
52/ 51																					93			
50/ 49																					54			
48/ 47																					24			
46/ 45																					4			
44/ 43																					2			
42/ 41																								
40/ 39																								
38/ 37																								
36/ 35																								
34/ 33																								
32/ 31																								
30/ 29																								
Element (X)	Σ X <sup>2</sup>		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ			
Rel. Hum.																								
Dry Bulb																								
W.																								
D.																								

USAFETAC FORM 0-26-5 (OL A) REVISED FEB 64 EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

39-70

OCT

PAGE 2

1200-1400  
HOURS (L. S. T.)

[illegible]

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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

23211 HAMILTON AFB CALIF/SAN RAFAEL

39-70

OCT

STATION

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YEARS

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1500-1700

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point							
96/ 95																					1	1					
94/ 93																					2	2					
92/ 91																					3	3					
90/ 89																					13	13					
88/ 87																					27	27					
86/ 85																					41	41					
84/ 83																					66	66					
82/ 81																					73	73					
80/ 79																					107	107					
78/ 77																					113	113					
76/ 75																					180	180					
74/ 73																					207	207	2				
72/ 71																					262	262	8				
70/ 69																					329	329	27	2			
68/ 67																					322	322	44	5			
66/ 65																					336	336	121	13			
64/ 63																					290	290	227	35			
62/ 61																					262	262	427	78			
60/ 59																					188	188	603	157			
58/ 57																					91	91	500	252			
56/ 55																					41	41	482	326			
54/ 53																					13	13	286	380			
52/ 51																					4	4	121	375			
50/ 49																							71	300			
48/ 47																							30	278			
46/ 45																							14	197			
44/ 43																							5	137			
42/ 41																							1	115			
40/ 39																								64			
38/ 37																								60			
36/ 35																								47			
34/ 33																								32			
32/ 31																								23			
30/ 29																								15			
Element (X):																					Mean No. of Hours with Temperature						
Rel. Hum.																					≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb																											
Wet Bulb																											
Dew Point																											



## PSYCHROMETRIC SUMMARY

**39-70**

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**1500-1700**

HOURS (L - S - T)

[illegible]

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DATA PROCESSING DIVISION  
USAF ETAC  
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## PSYCHROMETRIC SUMMARY

23211 HAMILTON AFB CALIF/SAN RAFAEL

39-70

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1800-2000

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
86/ 85												.0							1	1			
84/ 83													.0						1	1			
82/ 81										.0									1	1			
80/ 79								.1	.0	.0	.0								5	5			
78/ 77							.0		.0	.0	.1	.0							7	7			
76/ 75							.1	.2	.1	.1	.1	.2	.1	.0					28	28			
74/ 73					.1	.1	.1	.1	.2	.2	.1	.1							28	28			
72/ 71				.1	.3	.3	.2	.3	.4	.2	.0	.0							55	55			
70/ 69			.0	.3	.4	.4	.9	.5	.6	.0	.1								98	98			
68/ 67			.4	.5	.8	.7	.6	.4	.4	.2	.0								121	121			
66/ 65		.0	.8	1.0	1.1	1.5	1.0	.5	.2	.2	.1								193	193	13		
64/ 63		.6	2.1	2.2	1.8	1.8	1.1	.8	.4	.0	.0								323	323	45	3	
62/ 61	.0	2.0	3.2	3.5	2.9	1.9	.8	.4	.4	.0									452	452	115	27	
60/ 59	.1	2.3	4.5	4.8	2.9	1.0	.7	.3	.1										494	495	230	109	
58/ 57	.0	3.4	6.1	3.7	1.0	.7	.3	.3	.1										463	464	372	161	
56/ 55	.2	2.6	5.3	2.4	.7	.2	.2	.1											346	346	555	247	
54/ 53	.0	1.4	3.5	.6	.4	.2	.2	.1											191	191	614	309	
52/ 51		1.2	1.2	.5	.4	.0	.1												99	99	464	392	
50/ 49	.0	.6	.6	.2	.2	.0													50	50	289	452	
48/ 47		.1	.1	.2															13	13	143	371	
46/ 45			.0	.1															3	3	69	277	
44/ 43																					39	143	
42/ 41																					20	129	
40/ 39																					4	85	
38/ 37																						65	
36/ 35																						55	
34/ 33																						35	
32/ 31																						23	
30/ 29																						27	
28/ 27																						22	
26/ 25																						18	
24/ 23																						10	
22/ 21																						4	
20/ 19																						3	
Element (X)	$\Sigma x^2$		$\Sigma x$		$\bar{x}$		$s^2$		No. Obs.		Mean No. of Hours with Temperature												
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total						
Dry Bulb																							
Wet Bulb																							
Dew Point																							

USAFETAC FORM 0-26-5 (OL A) REVISIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

23211      HAMILTON AFB CALIF/SAN RAFAEL  
STATION      STATION NAME

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## FEARS

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1800-2000  
HOURS (L. S. T.)

HOURS (L, S, T.)

Temp. (F)	WEI BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
18/ 17																					3	
16/ 15																					2	
TOTAL	.5	14.3	27.7	20.0	12.9	8.8	6.3	4.3	3.1	1.1	.6	.3	.1	.0				2972	2974	2972	2972	

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## YEARS

39-70

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2100-2300  
HOURS (L. S. T.)

[illegible]

USAFETAC  
FORM  
JUL 64  
0-26-5 (OL A)  
REVISED IN  
EDITIONS OF THIS FORM ARE OBSOLETE

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## NDV

**39-70**

**MONTH**

0000-0200

HOURS (L, S, T.)

FORM 0-26-5 (OL A)  
REVISED PRE<sup>1954</sup> EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

22211 HAMILTON AFB CALIF/SAN RAFAEL

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0300-0500

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb		Dew Point		
68/ 67					.0														1	1			
66/ 65				.0															1	1			
64/ 63		.1	.0	.1															5	5			
62/ 61	.1	.3		.1	.0														15	15	6	3	
60/ 59	.1	.7	.6	.1	.0														44	44	16	11	
58/ 57	.7	1.9	1.4	.2			.0	.0	.0										122	122	52	34	
56/ 55	1.0	3.1	1.9	.3	.1	.3	.0	.0											184	184	128	78	
54/ 53	1.7	3.4	2.2	.5	.3	.1	.2	.0											241	241	182	137	
52/ 51	2.0	4.4	1.9	.9	.5	.2	.1												287	287	222	210	
50/ 49	2.9	4.9	2.3	.9	.5	.3	.0	.0											342	342	299	237	
48/ 47	2.2	5.0	1.4	1.2	.5	.3	.0												304	304	284	275	
46/ 45	2.6	5.4	2.3	.8	.2		.0												329	329	330	268	
44/ 43	2.1	4.7	1.8	.8	.1	.1													275	275	303	282	
42/ 41	2.3	4.8	1.0	.4	.1	.1													249	249	331	243	
40/ 39	1.5	4.0	1.0	.2	.1														199	199	272	240	
38/ 37	1.1	2.9	.7	.3															146	146	183	245	
36/ 35	.7	1.6	.5																79	79	130	189	
34/ 33	.5	.7	.0																33	33	87	153	
32/ 31	.1	.4	.1																19	19	41	109	
30/ 29		.2																	5	5	9	87	
28/ 27																					5	34	
26/ 25																						34	
24/ 23																						10	
22/ 21																						17	
20/ 19																						7	
18/ 17																						2	
16/ 15																						1	
14/ 13																						2	
12/ 11																						1	
10/ 9																						1	
TOTAL	21.548	48.418	7	6.8	2.6	1.3	.9	.1	.0										2880	2880	2880	2880	
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.		Mean No. of Hours with Temperature							Total									
Rel. Hum.	21579997	246833	85.713	4.95	2880		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	96										
Dry Bulb	6498944	193398	47.1	6.310	2880				.7	.0			90										
Wet Bulb	5950918	129644	45.0	6.316	2880				1.7				90										
Dew Point	5614894	122000	42.7	7.691	2880				1.6				90										

FORM 0-26-5 (OL A) REVISED FOR EDITIONS OF THIS FORM ARE OBSOLETE

USAF ETAC



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23211 HAMILTON AFB CALIF/SAN RAFAEL

39-70

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0600-0800

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
68/ 67					.0													1	1				
66/ 65					.0													1	1				
64/ 63		.1		.1	.0													6	6				
62/ 61	.1	.2	.0	.1	.1	.1												14	14	7	2		
60/ 59	.3	1.2	.5	.1	.0	.1	.0	.0										67	67	24	16		
58/ 57	.4	1.5	1.7	.2	.2	.0	.1											117	117	57	31		
56/ 55	1.5	3.1	1.4	.5	.3	.1	.2	.1										203	203	124	90		
54/ 53	1.2	4.3	2.6	.6	.3	.2	.0	.1										271	271	189	132		
52/ 51	2.3	4.6	1.9	1.1	.3	.4	.2											309	309	256	230		
50/ 49	2.2	4.9	1.9	.8	.6	.2	.1	.0										306	306	293	242		
48/ 47	2.2	4.7	1.8	.9	.7	.1	.0											297	297	284	262		
46/ 45	2.5	5.3	1.6	.6	.2	.2	.0											307	307	314	280		
44/ 43	2.9	4.1	1.9	.6	.1													275	275	330	267		
42/ 41	1.9	4.3	.9	.3	.1													215	215	282	257		
40/ 39	1.9	4.7	.8	.4	.1													197	197	276	250		
38/ 37	.9	3.0	.6	.1	.0													134	134	163	207		
36/ 35	.7	1.7	.5	.1														86	86	123	199		
34/ 33	.5	.7	.2															41	41	90	131		
32/ 31	.1	.5	.1															18	18	39	98		
30/ 29	.1	.1																7	7	18	78		
28/ 27	.0	.0																2	2	4	37		
26/ 25	.0																	1	1	2	25		
24/ 23																					17		
22/ 21																					11		
20/ 19																					4		
18/ 17																					3		
16/ 15																					2		
14/ 13																					2		
12/ 11																					1		
10/ 9																					1		
TOTAL	21.3	47.9	18.2	6.7	3.1	1.4	.7	.2										2875	2875	2875	2875		
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$s_x$		No. Obs.		Mean No. of Hours with Temperature												
Ref. Hum.	21610992		246136		85.613		6.990		2875		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total						
Dry Bulb	6559213		136039		47.3		6.329		2875				.9										
Wet Bulb	5993591		129963		45.2		6.426		2875				2.0										
Dew Point	5451013		123213		42.9		7.708		2875				8.7										

USAFETAC FORM 0-26-5 (OL A) JUL 64 EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

NDV

STATION

STATION NAME

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MONTH

0700-1100

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point		
76/ 75								.0										1	1				
74/ 73							.1	.1	.0	.0								9	9				
72/ 71				.0	.0	.1	.1	.0	.0	.1	.1							13	13				
70/ 69				.0	.1	.1	.1	.2	.1									17	17				
68/ 67			.1	.2	.2	.3	.1	.3	.1	.1	.1							44	44				
66/ 65		.1	.2	.6	.4	.2	.4	.5	.2									72	72	4			
64/ 63	.0	.4	.5	.6	.5	.4	.7	.2	.3	.1	.0							109	109	9	1		
62/ 61	.1	1.0	1.2	1.3	1.1	.7	.6	.3	.1	.0								194	194	45	19		
60/ 59	.0	1.6	3.1	2.7	1.8	1.4	.7	.3	.1	.1								340	340	84	31		
58/ 57	.2	3.3	3.6	2.7	1.8	.9	.8	.2	.1									391	392	153	74		
56/ 55	.6	3.9	3.8	3.7	1.5	1.1	.3	.2	.0									431	432	313	153		
54/ 53	1.0	3.5	3.7	2.5	1.1	.3	.3	.1										362	362	410	239		
52/ 51	.8	3.2	3.2	1.3	.5	.4	.1											276	276	436	300		
50/ 49	1.1	3.3	2.4	1.0	.5	.2	.0											247	247	441	331		
48/ 47	1.1	2.6	1.6	.8	.2	.0	.0											182	182	402	336		
46/ 45	1.0	1.7	.6	.2	.1	.0												107	107	283	353		
44/ 43	.5	.8	.3	.1	.0													49	49	150	279		
42/ 41	.2	.3	.1	.0	.0													21	21	93	224		
40/ 39	.2	.1		.0														9	9	38	154		
38/ 37		.1																2	2	11	112		
36/ 35																				3	73		
34/ 33																				2	61		
32/ 31																					33		
30/ 29																					30		
28/ 27																					24		
26/ 25																					16		
24/ 23																					10		
22/ 21																					5		
20/ 19																					3		
18/ 17																					2		
16/ 15																					5		
14/ 13																					3		
TOTAL	7.026	0.24	4.17	8.10	0.0	6.4	4.3	2.4	1.0	.4	.2							2676	2678	2676			
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature																	
Rel. Hum.	16592389	212287	73.81	7.915	2876	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total											
Dry Bulb	8870139	138923	58.2	5.728	2178			2.6	.3				90										
Wet Bulb	7424299	145489	50.6	4.825									90										
Dew Point	6264228	132810	44.1	7.215				4.1					90										



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23211	HAMILTON AFB CALIF/SAN RAFAEL	39-70
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HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL	TOTAL			
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
16/ 15 14/ 13																					1 4
TOTAL	1.9	13.0	17.1	19.5	16.8	11.0	8.0	5.8	3.8	1.9	.7	.4	.2					2879	2879	2879	2879

USAFETAC FORM 0-26-5 (OLA) REVISED 1964 EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23211 HAMILTON AFB CALIF/SAN RAFAEL

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1500-1700

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
82/ 81								.0			.0							2	2						
80/ 79								.0			.0							2	2						
78/ 77								.1	.1	.1	.2							14	14						
76/ 75					.0	.1	.1	.1	.2	.1	.1	.1						25	25						
74/ 73					.1	.1	.5	.3	.2	.2	.1	.0						45	45						
72/ 71				.0	.2	.3	.4	.1	.3	.1	.0	.1						46	46						
70/ 69			.1	.2	.2	.3	.6	.6	.8	.2	.1	.1						95	95						
68/ 67			.2	.3	.7	.7	.8	.8	.9	.1	.0	.0						123	123	3					
66/ 65		.1	.4	1.0	1.1	1.0	.8	1.3	.3	.1								173	173	13					
64/ 63		.3	.7	1.9	1.5	1.4	1.1	.6	.6	.1	.0							237	237	37	5				
62/ 61	.0	1.0	1.5	2.6	2.7	1.6	1.1	.5	.2	.0								328	328	82	25				
60/ 59	.1	2.0	2.9	3.5	3.3	1.3	1.2	.3	.1									423	423	152	49				
58/ 57	.3	2.8	4.3	4.2	2.2	1.5	.9	.2	.0									459	459	288	105				
56/ 55	.2	2.5	3.9	4.2	1.9	.7	.2	.1										397	397	435	183				
54/ 53	.5	1.0	2.7	1.7	.9	.6	.4	.0										228	228	495	279				
52/ 51	.3	1.4	1.6	.9	.5	.2	.1											147	147	494	287				
50/ 49	.1	1.0	1.1	.4	.2	.1	.0											86	86	379	322				
48/ 47	.1	.3	.3	.3	.0													33	33	282	341				
46/ 45	.1	.2	.1															11	11	127	340				
44/ 43		.0																1	1	58	241				
42/ 41	.0	.1																3	3	27	194				
40/ 39																				7	141				
38/ 37																					122				
36/ 35																					83				
34/ 33																					42				
32/ 31																					29				
30/ 29																					31				
28/ 27																					17				
26/ 25																					18				
24/ 23																					6				
22/ 21																					7				
20/ 19																					5				
18/ 17																					1				
16/ 15																					5				
Element (X)	Σ x <sup>2</sup>		Σ x		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature										Total				
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F									
Dry Bulb																									
Wet Bulb																									
Dew Point																									

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

23211	HAMILTON AFB CALIF/SAN RAFAEL
STATION	STATION NAME

39-70

NNV

STATION

STATION NAME

**YEARS**

**MONTH**

PAGE 2

**1500-1700**  
**HOURS (L. S. T.)**

[illegible]

USAFETAC FORM 0-26-5 (OLA)  
REVISED MAY 1964  
EDITIONS OF THIS FORM ARE OBSOLETE



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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

23211  
STATIONHAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME39-70  
YEARSNOV  
MONTHPAGE 1 1800-2000  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
78/ 77							.0											1	1					
76/ 75						.1												2	2					
70/ 69					.0		.0		.1	.0								5	5					
68/ 67				.1	.0	.1	.1	.2		.0								17	17					
66/ 65			.0	.3	.4	.1		.2	.0									32	32	3				
64/ 63		.3	.5	.3	.4	.2	.1	.2		.1	.0							58	58					
62/ 61	.1	.7	.6	.3	.5	.3	.3	.2	.1	.1								92	92	25	11			
60/ 59	.2	2.3	2.0	1.5	1.2	.7	.2	.2	.0	.0								242	242	62	27			
58/ 57	.6	3.8	3.3	2.2	1.1	1.0	.2	.1										355	356	141	80			
56/ 55	.7	4.7	4.9	2.6	2.0	.9	.2	.2										464	464	241	136			
54/ 53	.5	4.4	5.5	3.1	1.3	.7	.1	.0										457	457	361	209			
52/ 51	.6	3.7	5.1	2.1	1.5	.3	.2											390	390	389	265			
50/ 49	.5	4.1	4.3	2.0	.7	.2	.1											339	339	419	280			
48/ 47	.7	2.9	2.2	1.2	.3	.3												219	219	479	368			
46/ 45	.3	2.0	1.3	.5	.1	.1												123	123	346	347			
44/ 43		.6	.7	.3	.1													50	50	206	311			
42/ 41	.1	.3	.3	.1	.0													23	23	121	226			
40/ 39		.1	.1															6	6	46	154			
38/ 37		.0	.1		.0													4	4	30	167			
36/ 35																				8	96			
34/ 33																				1	73			
32/ 31																				1	39			
30/ 29																					23			
28/ 27																					16			
26/ 25																					19			
24/ 23																					11			
22/ 21																					7			
20/ 19																					10			
18/ 17																					3			
16/ 15																					1			
TOTAL	4.329	9.930	7.166	9.7	5.1	1.9	1.3	.2	.2	.0								2879	2880	2879	2879			
Element (X)	ΣX <sup>2</sup>		ΣX		X		ΣX		ΣX		ΣX		ΣX		ΣX		ΣX		ΣX		ΣX			
Rel. Hum.	17101833		217289		75,513,620		2879																	
Dry Bulb	8376235		134657		93.7		4,969		2880												90			
Wet Bulb	7150484		142790		49.6		4,879														90			
Dew Point	6113883		131033		45.5		7,171														90			

USAFETAC FORM 0-26-5 (DLA) REVISED 11-74 EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

NDV

STATION

STATION NAME

YEARS

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PAGE 1

2100-2300  
HOURS (L. S. T.)

[illegible]



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23211 HAMILTON AFB CALIF/SAN RAFAEL

39-70

DEC

STATION

STATION NAME

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MONTH

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0300-0500

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
64/ 63		.0	.0															2	2				
62/ 61		.3	.1															12	12		1		
60/ 59	.1	.8	.2	.0	.0													34	34	19	7		
58/ 57	.2	1.4	.3	.1														61	61	40	29		
56/ 55	1.0	1.9	.9	.0		.1												109	109	86	66		
54/ 53	1.1	2.9	.9	.2	.0	.1												158	158	110	103		
52/ 51	1.8	2.6	1.3	.1	.1	.1	.0											180	180	166	151		
50/ 49	1.8	3.5	1.2	.2	.0	.0	.1											205	205	184	143		
48/ 47	2.5	3.7	1.2	.4	.1	.1	.1											246	246	200	195		
46/ 45	2.9	5.8	1.3	.6	.1	.1	.1	.0										321	321	273	217		
44/ 43	3.0	5.6	1.3	.9	.1	.0												313	313	309	277		
42/ 41	3.2	6.4	1.2	.4	.1													334	334	311	291		
40/ 39	3.5	5.5	1.6	.4	.2													330	330	308	309		
38/ 37	2.5	3.5	1.0	.2	.1													217	217	275	307		
36/ 35	1.7	3.2	.6	.2	.1													170	170	192	220		
34/ 33	1.3	2.3	.0		.0													125	125	174	160		
32/ 31	.8	2.2	.4															100	100	128	144		
30/ 29	.4	.7	.1															38	38	85	139		
28/ 27	.1	.4	.0															16	16	36	76		
26/ 25	.0	.1	.0															4	4	7	57		
24/ 23																					3		
22/ 21																					25		
20/ 19																					7		
18/ 17																					5		
16/ 15																					3		
14/ 13																					3		
12/ 11																					2		
10/ 9																					1		
8/ 7																					1		
6/ 5																					2		
TOTAL	27.95	3.0	14.0	3.4	.9	.5	.2											2975	2975	2975	2975		

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x^2$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	23663274	263074	88.4	11.598	2975	$\leq 0 F$	$\leq 32 F$	$\geq 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 93 F$	Total
Dry Bulb	3853458	120312	42.8	6.994	2975		4.9					93
W	3463543	125789	42.5	7.028	2975		3.1					93
D	3046643	120121	40.4	8.129	2975		15.8					93

USAFETAC FORM 34 64 0-26-5 (OL A) REVISED BY ADDITIONS OF THIS FORM ARE OBSOLETE

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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

23211

HAMILTON AFB CALIF/SAN RAFAEL

39-70

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STATION

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0600-0800

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
64/ 63			.0	.1														3	3						
62/ 61		.3	.1	.0														12	12						
60/ 59	.0	.8	.1	.0														29	29	16	3				
58/ 57	.2	1.4	.3	.0														58	58	39	36				
56/ 55	.6	1.9	.6	.1														97	97	78	54				
54/ 53	1.2	2.6	1.0	.2	.1	.0		.0										154	154	98	98				
52/ 51	1.7	2.8	.8	.1	.0	.1	.0											168	168	137	127				
50/ 49	2.2	3.6	.8	.3	.1	.0	.1											212	212	186	163				
48/ 47	2.3	4.3	1.1	.7	.1	.0												252	252	208	191				
46/ 45	2.5	5.3	1.0	.6	.2	.0												288	288	255	204				
44/ 43	3.4	6.2	1.4	.2	.2	.1												340	340	317	291				
42/ 41	3.4	6.1	1.1	.6	.3													343	343	342	271				
40/ 39	3.5	4.4	1.3	.5	.1													292	292	339	326				
38/ 37	2.2	4.1	.9	.5	.1													224	224	237	276				
36/ 35	2.1	3.3	.9	.1	.1	.0												193	193	234	229				
34/ 33	1.4	2.5	.5	.0	.0													135	135	186	178				
32/ 31	.8	2.2	.2															96	96	127	148				
30/ 29	.5	1.1	.0															49	49	92	130				
28/ 27	.2	.4	.1															20	20	32	94				
26/ 25	.1	.1	.0															7	7	14	69				
24/ 23	.1	.0																4	4	9	28				
22/ 21																					32				
20/ 19																					12				
18/ 17																					5				
16/ 15																					5				
12/ 11																					1				
10/ 9																					2				
6/ 5																					1				
4/ 3																					1				
2/ 1																					1				
TOTAL	26.6	53.5	12.3	3.9	1.2	.3	.1	.0										2976	2976	2976	2976				
																						2976		2976	
Element (X)	Σ x <sup>2</sup>		Σ x		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ				
Rel. Hum.	23683859		263261		88.51		11.529		2976		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F				
Dry Bulb	5783767		129509		43.5		7.049		2976				5.5												
Wet Bulb	5403713		125049		42.0		7.083		2976				8.6												
Dew Point	4987709		119379		40.1		8.177		2976				16.5												

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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## ARY

39-70

DEC

STATION

STATION NAME

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0900-1100

HOURS (L. S. T.)

REVISED EDITIONS OF THIS FORM ARE OBSOLETE

WFO  
0365101 A1

USAFETAC





DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23211 HAMILTON AFB CALIF/SAN RAFAEL

39-70

DEC

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1200-1400

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
76/ 75											.1							2	2						
74/ 73										.0	.0							2	2						
72/ 71										.1	.0	.0						4	4						
70/ 69						.0	.0	.0	.0			.0						5	5						
68/ 67					.1	.1	.0	.1	.1	.1								12	12						
66/ 65				.1	.1	.1	.1	.1	.1	.1								25	25						
64/ 63		.2	.2	.5	.1	.3	.3	.2	.1	.1								59	59						
62/ 61		.6	.9	.7	.7	.6	.3	.4	.1									126	126	8					
60/ 59	.1	1.3	1.3	2.0	.8	.6	.3	.3	.2									203	203	47					
58/ 57	.1	2.0	2.1	1.8	1.7	1.1	.3	.2										275	275	93					
56/ 55	.4	1.9	2.3	3.0	2.4	1.1	.4	.1										352	352	170					
54/ 53	.5	3.2	3.0	2.9	2.1	.9	.4	.1										391	391	241					
52/ 51	.8	3.3	3.4	2.6	1.3	.8	.3	.1										375	375	351					
50/ 49	.8	3.8	4.1	1.7	1.3	.6	.1											370	370	385					
48/ 47	.8	4.6	2.9	1.2	.7	.4												306	306	475					
46/ 45	.5	3.5	1.4	.5	.4	.0	.1											196	196	464					
44/ 43	.4	3.3	.9	.3	.1	.1	.1											154	154	295					
42/ 41	.2	1.8	.4	.1														73	73	237					
40/ 39	.1	1.1	.0															38	38	146					
38/ 37	.0	.1																3	3	46					
36/ 35																				5					
34/ 33		.1																2	2	7					
32/ 31		.0																1	1	4					
30/ 29																									
28/ 27																									
26/ 25																									
24/ 23																									
22/ 21																									
20/ 19																									
18/ 17																									
16/ 15																									
14/ 13																									
10/ 9																									
8/ 7																									
Element (X)	Σ X <sup>2</sup>		Σ X		Σ		Σ X		No. Obs.		Mean No. of Hours with Temperature							Total							
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F									
Dry Bulb																									
Wet Bulb																									
Dew Point																									

REVISIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OLA)

JUL 64

USAFETAC

3

## DEC

MONTH

HOURS (L. S. T.)

FORM 0-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

JSAFETAC

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23211 HAMILTON AFB CALIF/SAN RAFAEL

39-70

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STATION

STATION NAME

YEARS

MONTH

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1300-1700

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point					
76/ 75										.0								1	1							
74/ 73										.0								1	1							
72/ 71										.0								1	1							
70/ 69									.0	.1			.0					5	5							
68/ 67				.0	.0		.0	.1	.1									9	9							
66/ 65				.1	.0	.1	.2	.1	.1	.0								18	18							
64/ 63			.1	.1	.0	.2	.3	.3	.1									35	35							
62/ 61		.5	.3	.3	.3	.3	.4	.2	.1									78	78		3					
60/ 59	.1	1.4	1.1	1.1	.7	.5	.2	.2	.0									163	163	33	8					
58/ 57	.4	2.3	1.9	1.6	1.1	.8	.2	.1	.0									251	251	78	47					
56/ 55	.2	3.3	2.9	2.0	1.4	.8	.3	.1	.0									389	389	146	79					
54/ 53	.9	3.2	4.0	3.1	1.7	.6	.4	.1										418	418	265	138					
52/ 51	.9	3.6	4.4	3.5	1.2	.2	.1											413	413	329	181					
50/ 49	.7	3.7	4.4	2.7	1.1	.6	.1											399	399	428	249					
48/ 47	.5	4.8	3.1	1.5	.8	.2												324	324	483	277					
46/ 45	.3	4.2	1.8	1.0	.3	.1	.1											234	234	463	348					
44/ 43	.2	2.6	1.1	.3	.1	.0	.1											132	132	333	341					
42/ 41	.3	1.6	.3	.1	.0													70	70	215	378					
40/ 39	.2	.6			.0	.0												24	24	151	336					
38/ 37		.2																5	5	28	191					
36/ 35		.1																3	3	5	127					
34/ 33																				7	86					
32/ 31																				3	59					
30/ 29																				1	41					
28/ 27																					32					
26/ 25																					21					
24/ 23																					9					
22/ 21																					11					
20/ 19																					3					
18/ 17																					2					
16/ 15																					1					
14/ 13																					2					
6/ 5																					6					
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature										Total					
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F										
Dry Bulb																										
Wet Bulb																										
Dew																										

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVERSED REV. EDITIONS OF THIS FORM ARE OBSOLETE

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HAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME

39-70

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1500-1700  
HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

DEC

**MONTH**

**1800-2000**

HOURS (L. S. T.)

[illegible]



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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

23211  
STATIONHAMILTON AFB CALIF/SAN RAFAEL  
STATION NAME39-70  
YEARSDEC  
MONTHPAGE 1 2100-2300  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
72/ 71									.0									1	1		
66/ 65						.0	.1	.0										4	4		
64/ 63			.1															2	2		
62/ 61		.2	.1	.0		.1	.0											13	13		
60/ 59	.1	.9	.2	.2					.0									42	42	13	8
58/ 57	.5	1.8	.1	.0	.1		.1	.1										81	81	60	21
56/ 55	.8	2.6	.6	.1	.1	.1	.1											127	127	85	89
54/ 53	1.1	3.1	.9	.6	.1		.1											174	174	125	99
52/ 51	1.0	3.2	1.5	.6	.1	.1	.0	.1										195	195	163	129
50/ 49	1.9	5.3	2.8	.6	.4	.2	.0	.0										333	333	196	178
48/ 47	2.0	5.6	2.5	1.5	.3		.0											352	352	293	188
46/ 45	2.7	8.8	2.3	1.2	.3	.0												456	456	396	261
44/ 43	2.9	6.8	1.9	.5	.1	.0	.0											363	364	432	395
42/ 41	2.6	5.2	1.5	.7	.2	.1	.1											307	308	373	384
40/ 39	1.0	4.1	1.3	.6	.1													212	212	294	270
38/ 37	.8	3.1	1.1	.2		.1												156	157	210	261
36/ 35	.5	1.6	.5	.0		.0												79	79	153	195
34/ 33	.1	1.2	.2	.0														48	48	92	152
32/ 31	.1	.5	.0	.0														19	19	61	120
30/ 29		.1																2	2	15	80
28/ 27		.1																2	2	6	53
26/ 25																				1	28
24/ 23																					23
22/ 21																					8
20/ 19																					7
18/ 17																					6
16/ 15																					4
14/ 13																					3
6/ 5																					2
4/ 3																					4
TOTAL	18.054	117.7	7.0	1.7	.7	.5	.2	.1										2968	2971	2968	2966
Element (X)	Σx <sup>2</sup>		Σx		X		x		No. Obs.		Mean No. of Hours with Temperature							Total			
Rel. Hum.	22008257		252671		89.112		956		2968		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	93				
Dry Bulb	6407352		136824		46.1		5.979		271				.7	.0			93				
Wet Bulb	5849804		130936		44.0		6.052		271				2.6				93				
Dew Point	5287286		123248		41.5		7.554		271				10.6				93				

FORM 0-26-5 (OLA) REVISIONS OF THIS FORM ARE OBSOLETE

USAFETAC

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

23211 HAMILTON AFB CALIF/SAN RAFAEL 39-70

STATION		STATION NAME												YEARS											
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL											
00-02	MEAN	43.2	46.2	47.2	48.7	51.2	54.6	54.9	55.4	55.8	53.2	48.4	44.8	50.3											
	S D	6.735	5.522	4.664	4.288	4.223	4.270	3.303	3.384	4.872	4.910	5.951	6.552	6.579											
	TOTAL OBS	2875	2627	2970	2878	2974	2787	2975	2976	2877	2976	2879	2975	34769											
03-05	MEAN	42.3	44.8	45.6	47.1	49.9	53.3	53.7	54.0	54.0	51.4	47.1	43.8	48.9											
	S D	7.165	6.173	5.066	4.546	4.394	3.981	3.211	3.280	4.806	5.273	6.310	6.994	6.686											
	TOTAL OBS	2882	2628	2975	2880	2972	2787	2972	2976	2877	2972	2880	2975	34776											
06-08	MEAN	42.0	44.7	46.6	50.1	54.8	58.9	58.3	57.4	56.8	52.8	47.3	43.5	51.2											
	S D	7.389	6.378	5.543	5.426	5.313	5.317	4.666	4.511	5.807	5.834	6.529	7.049	8.318											
	TOTAL OBS	2883	2628	2975	2876	2973	2789	2969	2976	2877	2975	2875	2976	34772											
09-11	MEAN	46.8	51.0	54.8	58.9	63.1	67.2	67.4	66.7	67.5	63.1	55.2	48.5	59.2											
	S D	6.189	5.168	5.324	5.936	6.011	6.605	5.667	5.284	6.605	5.971	5.728	6.018	9.464											
	TOTAL OBS	2880	2625	2974	2880	2972	2789	2974	2976	2877	2970	2878	2975	34770											
12-14	MEAN	51.2	55.8	59.6	64.0	68.4	73.4	75.0	74.6	73.4	69.8	60.2	52.4	65.0											
	S D	5.600	5.102	6.144	7.268	7.272	7.842	6.369	6.175	7.566	6.871	5.908	5.764	10.821											
	TOTAL OBS	2883	2627	2976	2879	2975	2788	2975	2976	2877	2976	2879	2974	34783											
15-17	MEAN	51.2	56.3	59.3	63.1	67.3	72.9	75.8	75.3	75.0	68.9	59.5	52.0	64.8											
	S D	5.237	5.216	6.652	7.817	7.611	6.097	6.260	6.224	7.898	7.251	5.840	5.305	10.984											
	TOTAL OBS	2883	2625	2975	2879	2973	2785	2976	2976	2873	2971	2878	2973	34769											
18-20	MEAN	47.1	51.1	52.8	55.5	59.2	64.3	66.6	65.6	64.9	60.2	53.7	48.2	57.5											
	S D	5.376	4.600	4.995	5.803	6.237	7.317	6.351	6.018	6.510	5.301	4.969	5.211	8.833											
	TOTAL OBS	2882	2623	2974	2877	2976	2787	2972	2973	2876	2974	2880	2969	34763											
21-23	MEAN	44.8	48.1	49.2	50.9	53.6	57.2	57.9	58.2	58.7	55.7	50.4	46.1	52.6											
	S D	6.183	4.815	4.320	4.326	4.350	4.859	4.049	4.091	5.143	4.679	5.408	5.979	6.821											
	TOTAL OBS	2881	2626	2973	2877	2970	2789	2974	2974	2876	2969	2879	2971	34739											
ALL HOURS	MEAN	46.1	49.7	51.9	54.8	58.4	62.7	63.7	63.4	63.5	59.4	52.7	47.4	56.2											
	S D	7.152	6.911	7.519	8.491	8.881	9.685	9.679	9.340	10.127	8.943	7.856	6.946	10.590											
	TOTAL OBS	23049	21009	23792	23028	23787	22501	23787	23803	23010	23783	23028	23788	278163											

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

23211 HAMILTON AFB CALIF/SAN RAFAEL 39-70

STATION		STATION NAME												YEARS	
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
00-02	MEAN	41.6	44.0	44.4	46.1	48.5	51.4	52.3	52.7	52.3	49.8	45.9	43.1	47.7	
	S D	6.884	5.715	4.524	3.947	3.725	3.311	2.782	2.701	3.943	4.768	5.996	6.625	6.110	
	TOTAL OBS	2875	2627	2969	2875	2965	2787	2975	2975	2874	2972	2879	2974	34747	
03-05	MEAN	40.8	43.0	43.2	44.8	47.6	50.5	51.5	51.8	51.2	48.6	45.0	42.3	40.7	
	S D	7.285	6.335	4.988	4.272	3.932	3.379	2.907	2.919	4.167	5.275	6.316	7.028	6.380	
	TOTAL OBS	2882	2628	2973	2877	2962	2787	2972	2972	2874	2970	2880	2975	34752	
06-08	MEAN	40.5	42.9	44.0	47.0	50.9	54.0	54.6	54.2	53.1	49.6	45.2	42.0	48.2	
	S D	7.472	6.485	5.163	4.549	4.185	3.681	3.277	3.269	4.384	5.334	6.426	7.083	7.257	
	TOTAL OBS	2883	2628	2971	2873	2961	2789	2969	2973	2876	2973	2875	2976	34747	
09-11	MEAN	44.1	47.3	49.2	52.5	55.7	58.8	60.0	59.8	59.5	55.9	50.6	45.6	53.3	
	S D	6.127	4.939	4.209	4.498	4.374	4.193	3.560	3.234	3.827	4.091	4.825	5.694	7.180	
	TOTAL OBS	2879	2625	2973	2880	2964	2788	2974	2973	2877	2970	2877	2975	34755	
12-14	MEAN	46.8	50.1	51.7	55.0	58.1	61.6	63.6	63.3	62.7	58.8	53.2	47.9	56.1	
	S D	5.379	4.505	4.318	5.032	4.724	4.704	3.655	3.187	3.997	4.056	4.498	5.051	7.354	
	TOTAL OBS	2882	2627	2974	2878	2966	2786	2973	2973	2877	2976	2879	2974	34765	
15-17	MEAN	47.0	50.3	51.4	54.1	57.2	60.7	63.4	63.0	62.2	58.3	52.8	47.8	55.7	
	S D	5.140	4.441	4.500	5.243	4.903	4.901	3.860	3.389	4.344	4.295	4.493	4.811	7.273	
	TOTAL OBS	2883	2625	2975	2876	2969	2785	2976	2972	2872	2971	2879	2973	34756	
18-20	MEAN	44.5	47.5	48.1	50.2	53.1	56.5	58.8	58.3	57.5	54.0	49.6	45.5	52.0	
	S D	5.693	4.638	4.201	4.464	4.372	4.581	3.941	3.607	4.184	4.192	4.579	5.402	6.666	
	TOTAL OBS	2882	2627	2975	2874	2967	2787	2972	2970	2874	2972	2879	2966	34741	
21-23	MEAN	42.8	45.4	45.9	47.6	50.2	52.9	54.1	54.4	54.2	51.4	47.4	44.0	49.2	
	S D	6.409	5.030	4.153	3.844	3.691	3.573	3.038	2.934	3.905	4.294	5.444	6.052	6.032	
	TOTAL OBS	2881	2626	2973	2874	2961	2789	2970	2970	2871	2969	2879	2968	34731	
ALL HOURS	MEAN	43.5	46.3	47.3	49.6	52.7	55.8	57.3	57.2	56.6	53.3	48.7	44.8	51.1	
	S D	6.775	6.000	5.502	5.770	5.681	5.698	5.628	5.314	5.560	5.929	6.231	6.401	7.622	
	TOTAL OBS	23047	21009	23783	23007	23715	22290	23781	23778	22995	23773	23027	23781	277994	

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

23211 HAMILTON AFB CALIF/SAN RAFAEL 39-70

STATION		STATION NAME												YEARS											
HRS (LST)		JAN	FEB	MAR	APR.	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL											
00-02	MEAN	39.3	41.4	41.3	43.3	46.0	48.3	50.1	50.4	49.3	46.4	43.3	41.0	45.1											
	S D	8.381	7.407	6.034	4.907	4.290	3.960	2.933	2.870	5.315	7.021	7.528	7.903	7.080											
	TOTAL OBS	2874	2627	2969	2875	2965	2787	2973	2974	2874	2972	2879	2974	34743											
03-05	MEAN	38.8	40.7	40.5	42.4	45.3	48.0	49.8	50.0	48.7	45.6	42.7	40.4	44.4											
	S D	8.665	7.776	6.362	5.076	4.461	3.962	3.048	3.100	5.357	7.287	7.691	8.129	7.293											
	TOTAL OBS	2882	2628	2973	2876	2962	2787	2972	2972	2874	2970	2880	2975	34751											
06-08	MEAN	38.3	40.6	40.9	43.7	47.4	50.2	51.8	51.7	50.0	46.4	42.9	40.1	45.4											
	S D	8.807	7.827	6.449	5.271	4.773	4.201	3.106	3.087	5.340	7.240	7.702	8.177	7.795											
	TOTAL OBS	2883	2628	2971	2873	2961	2789	2969	2973	2875	2973	2875	2976	34746											
09-11	MEAN	40.8	43.4	43.7	46.8	49.9	52.9	55.2	55.2	53.9	50.0	46.1	42.3	48.4											
	S D	8.295	7.376	6.694	6.228	5.761	5.410	3.680	3.283	5.451	7.241	7.215	7.384	8.050											
	TOTAL OBS	2880	2625	2973	2880	2964	2788	2974	2973	2876	2970	2876	2975	34754											
12-14	MEAN	42.0	44.3	44.4	47.4	50.6	53.6	56.3	56.3	54.2	50.6	46.9	43.1	49.2											
	S D	8.497	7.794	7.095	6.963	6.294	6.374	4.644	4.101	6.806	7.886	7.715	7.492	8.516											
	TOTAL OBS	2882	2627	2974	2878	2966	2786	2972	2973	2876	2976	2879	2974	34763											
15-17	MEAN	42.3	44.5	44.1	46.6	49.5	52.3	55.5	55.2	53.5	50.0	46.8	43.4	48.7											
	S D	7.810	7.303	6.669	6.682	6.311	6.576	5.573	4.985	7.107	7.769	7.295	7.047	8.163											
	TOTAL OBS	2882	2624	2975	2875	2968	2785	2976	2972	2872	2971	2878	2973	34751											
18-20	MEAN	41.3	43.7	43.3	45.2	48.0	50.6	53.3	53.1	52.0	48.5	45.5	42.5	47.3											
	S D	7.740	6.651	5.862	5.540	5.214	5.493	4.637	4.261	6.244	7.136	7.171	7.181	7.412											
	TOTAL OBS	2882	2622	2975	2874	2967	2787	2971	2970	2874	2972	2879	2966	34739											
21-23	MEAN	40.2	42.4	42.4	44.2	47.0	49.4	51.2	51.4	50.3	47.2	44.3	41.3	46.0											
	S D	8.185	6.915	5.740	4.872	4.420	4.224	3.236	3.255	5.465	6.818	7.274	7.534	7.016											
	TOTAL OBS	2880	2626	2973	2873	2960	2789	2970	2970	2871	2969	2879	2968	34728											
ALL HOURS	MEAN	40.4	42.6	42.6	45.0	48.0	50.7	52.9	52.9	51.5	48.1	44.8	41.8	46.8											
	S D	8.410	7.338	6.533	5.994	5.342	5.481	4.643	4.321	6.268	7.527	7.626	7.706	7.870											
	TOTAL OBS	23045	21007	22782	23004	23713	22298	23777	23777	22992	23773	23025	23781	277975											

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

23211 HAMILTON AFB CALIF/SAN RAFAEL

39-70

ALL

STATION

STATION NAME

PERIOD

MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	99.8	99.0	97.4	94.7	87.9	81.1	64.8	35.8	82.2	23046
FEB		100.0	99.9	98.6	96.1	92.4	85.6	73.7	54.8	27.0	78.6	21007
MAR		100.0	99.7	98.0	94.3	88.7	77.6	61.4	39.3	14.2	73.0	23782
APR		100.0	99.7	98.4	95.3	88.3	75.1	58.3	35.6	11.6	71.9	23005
MAY		100.0	99.7	98.4	95.0	87.2	73.1	55.2	31.8	8.8	70.6	23712
JUN		100.0	99.3	97.2	92.6	82.9	67.7	49.2	26.2	4.8	67.7	22298
JUL		100.0	99.8	98.8	95.2	86.7	72.5	54.4	34.1	6.8	70.6	23777
AUG		100.0	99.8	98.6	95.4	87.4	74.2	56.2	34.7	7.2	71.1	23778
SEP		100.0	98.5	95.3	90.7	82.4	69.2	52.2	32.1	8.8	68.6	22992
OCT		100.0	99.0	95.3	89.3	81.4	70.0	55.4	36.5	14.5	70.0	23772
NOV		100.0	99.8	98.3	95.3	89.9	81.5	69.1	49.9	24.9	76.8	23024
DEC		100.0	99.9	99.4	98.0	95.3	90.3	80.8	65.2	35.5	82.4	23781
TOTALS		100.0	99.6	98.0	94.6	88.1	77.2	62.3	42.1	16.7	73.6	277974

AFETAC

FORM  
JUL 64

0-87-5 (OL 1)

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

23211 HAMILTON AFB CALIF/SAN RAFAEL

40-70

JAN

STATION

STATION NAME

PERIOD

MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00-02	100.0	100.0	99.4	98.6	97.7	95.3	90.0	78.8	48.0	86.9	2874
	03-05	100.0	99.9	99.5	98.6	98.0	96.3	91.6	81.7	53.7	88.3	2882
	06-08	100.0	99.9	99.7	99.0	98.0	95.9	91.5	82.0	55.2	88.2	2883
	09-11	100.0	99.8	98.9	97.3	93.8	89.0	79.9	62.5	34.3	81.4	2879
	12-14	99.9	99.2	97.9	93.9	86.9	77.1	63.4	40.3	16.0	73.2	2882
	15-17	100.0	99.8	98.4	95.7	89.6	79.0	62.6	39.7	14.6	73.6	2883
	18-20	100.0	99.9	99.2	98.1	96.4	91.7	81.1	60.7	26.4	81.1	2882
	21-23	100.0	99.9	99.1	98.1	97.0	94.7	88.3	72.9	38.4	84.8	2881
TOTALS		100.0	99.8	99.0	97.4	94.7	89.9	81.1	64.3	33.8	82.2	23046

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FORM  
JUL 64

0-87-5 (OL 1)



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

23211 HAMILTON AFB CALIF/SAN RAFAEL

40-70

FEB

STATION

STATION NAME

PERIOD

MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00-02	100.0	100.0	99.4	98.1	96.9	94.6	87.8	72.2	39.9	84.7	2627
	03-05	100.0	100.0	99.6	98.6	97.3	95.0	89.7	77.2	47.7	86.5	2628
	06-08	100.0	100.0	99.9	98.8	97.6	94.8	89.0	77.3	47.3	86.4	2628
	09-11	100.0	100.0	98.4	96.0	91.3	84.2	70.1	49.8	22.2	77.0	2625
	12-14	100.0	99.5	96.1	90.4	82.5	67.6	49.7	28.1	8.6	67.9	2627
	15-17	100.0	99.7	97.1	91.7	82.5	66.8	45.9	24.8	6.9	67.1	2624
	18-20	100.0	99.9	99.4	97.4	94.5	88.7	73.9	45.4	14.9	77.2	2622
	21-23	100.0	99.8	99.2	98.1	96.9	95.0	83.7	63.5	28.2	82.0	2626
TOTALS		100.0	99.9	98.6	96.1	92.4	85.6	73.7	54.8	27.0	78.5	21007

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FORM  
JUL 64

0-87-5 (OL 1)

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

23211 HAMILTON AFB CALIF/SAN RAFAEL

39-70

MAR

STATION

STATION NAME

PERIOD

MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	00-02	100.0	99.8	99.4	98.4	97.0	93.0	83.2	60.4	22.1	81.2	2969
	03-05	100.0	100.0	99.6	98.7	97.0	93.7	86.9	68.9	32.0	83.4	2973
	06-08	100.0	100.0	99.5	98.2	96.3	92.2	83.3	62.9	28.4	81.9	2971
	09-11	100.0	99.6	97.2	93.2	85.3	71.6	50.4	24.6	7.0	68.5	2973
	12-14	100.0	98.9	94.5	85.7	72.6	49.6	27.0	10.7	2.2	59.7	2974
	15-17	100.0	99.3	95.4	86.5	72.1	48.5	25.6	10.7	2.2	59.6	2975
	18-20	100.0	99.9	99.2	96.8	92.2	81.4	58.2	25.9	5.5	71.5	2974
	21-23	100.0	99.9	99.4	98.6	96.8	90.5	76.7	50.1	14.3	78.3	2973
TOTALS		100.0	99.7	98.0	94.5	86.7	77.6	61.4	39.3	14.2	73.0	23782

AFETAC

FORM  
JUL 64

0-87-5 (OL 1)

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

23211 HAMILTON AFB CALIF/SAN RAFAEL  
STATION STATION NAME

39-70  
PERIOD

APR  
MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	00-02	100.0	100.0	99.8	99.3	98.4	95.3	87.4	65.2	22.6	82.5	2875
	03-05	100.0	100.0	99.9	99.6	98.7	96.1	90.5	72.7	31.8	84.7	2877
	06-08	100.0	100.0	99.8	99.2	96.7	91.9	80.9	53.7	17.8	79.8	2873
	09-11	100.0	99.7	97.9	94.8	86.0	68.3	40.5	14.1	3.0	66.0	2880
	12-14	100.0	98.9	95.2	86.9	69.4	39.7	17.2	6.5	1.2	57.0	2878
	15-17	100.0	99.1	95.6	86.6	67.5	39.5	17.2	5.7	1.0	56.9	2875
	18-20	100.0	100.0	99.4	97.0	91.9	77.8	51.6	18.6	3.3	69.6	2874
	21-23	100.0	100.0	99.8	99.2	97.8	92.3	81.3	48.2	11.8	78.8	2873
TOTALS		100.0	99.7	98.4	95.3	88.3	75.1	58.3	35.6	11.6	71.9	23005



FORM  
JUL 64

0-87-5 (OL 1)

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

23211 HAMILTON AFB CALIF/SAN RAFAEL

39-70

MAY

STATION

STATION NAME

PERIOD

MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	00-02	100.0	100.0	99.9	99.7	99.3	97.4	90.7	64.7	19.3	82.8	2965
	03-05	100.0	100.0	99.9	99.6	99.1	98.0	93.1	72.3	28.3	84.8	2962
	06-08	100.0	100.0	99.9	99.1	97.3	90.5	73.9	40.3	10.3	76.9	2961
	09-11	100.0	99.8	98.4	95.0	84.5	61.4	30.9	7.7	.9	63.6	2963
	12-14	100.0	99.0	95.5	86.0	64.3	35.5	11.2	2.4	.3	54.9	2966
	15-17	100.0	99.1	94.9	85.0	65.1	34.5	11.6	3.0	.5	54.9	2968
	18-20	100.0	100.0	99.1	96.1	89.2	72.9	47.2	15.1	1.7	67.8	2967
	21-23	100.0	100.0	99.9	99.5	98.6	94.3	82.7	49.0	8.8	79.0	2960
TOTALS		100.0	99.7	98.4	95.0	87.2	73.1	55.2	31.8	8.8	70.6	23712

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FORM  
JUL 64

0-87-5 (OL 1)

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

23211 HAMILTON AFB CALIF/SAN RAFAEL

39-40,42-70

JUN

STATION

STATION NAME

PERIOD

MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00-02	100.0	99.9	99.5	99.2	98.1	95.0	87.6	56.9	11.8	80.7	2787
	03-05	100.0	100.0	99.7	99.5	98.9	97.0	91.4	66.6	17.4	82.9	2787
	06-08	100.0	99.9	99.5	98.7	96.2	86.1	65.7	31.7	4.3	73.9	2789
	09-11	100.0	99.1	97.6	94.0	81.3	57.7	25.6	5.0	.2	61.7	2788
	12-14	99.9	98.2	93.5	81.6	57.0	28.4	7.5	1.3	.2	52.2	2786
	15-17	100.0	98.1	91.1	77.3	54.3	25.0	6.5	1.3	.3	50.8	2785
	18-20	100.0	99.4	97.2	92.0	80.8	61.5	34.2	8.5	.5	63.1	2787
	21-23	100.0	99.9	99.4	98.6	96.9	91.1	74.7	38.3	4.0	76.1	2789
TOTALS		100.0	99.3	97.2	92.6	82.9	67.7	49.2	26.2	4.8	67.7	22298

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

29211 HAMILTON AFB CALIF/SAN RAFAEL  
STATION STATION NAME

39-70  
PERIOD

JUL  
MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-02	100.0	100.0	100.0	100.0	99.9	99.2	95.1	72.2	15.3	84.3	2973
	03-05	100.0	100.0	100.0	100.0	99.9	99.8	98.5	85.2	25.1	86.9	2972
	06-08	100.0	100.0	100.0	99.9	99.6	95.9	81.8	51.1	9.1	79.6	2969
	09-11	100.0	100.0	99.7	98.7	91.8	73.0	33.0	7.3	.1	65.9	2974
	12-14	99.9	99.6	97.1	87.7	63.0	29.6	7.1	.9		54.0	2972
	15-17	100.0	99.1	94.7	81.0	54.5	21.6	4.9	.6		51.1	2976
	18-20	100.0	99.8	98.5	94.7	85.4	64.7	31.7	7.8	.2	63.9	2971
	21-23	100.0	100.0	100.0	99.8	99.4	96.2	83.3	47.6	4.3	79.0	2970
TOTALS		100.0	99.8	98.8	95.2	86.7	72.3	54.4	34.1	6.8	70.6	23777



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

23211 HAMILTON AFB CALIF/SAN RAFAEL  
STATION STATION NAME

39-70  
PERIOD

AUG  
MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	00-02	100.0	100.0	100.0	100.0	99.7	98.7	92.9	68.9	14.8	83.6	2975
	03-05	100.0	100.0	100.0	100.0	100.0	99.5	97.6	81.7	24.6	86.4	2972
	06-08	100.0	100.0	100.0	99.9	99.6	97.6	87.6	59.0	12.2	81.5	2973
	09-11	100.0	100.0	99.8	98.9	93.5	77.5	38.1	7.9	.2	67.2	2973
	12-14	100.0	99.6	96.7	88.1	64.0	31.9	7.8	1.1		54.4	2973
	15-17	100.0	99.1	93.7	81.8	56.5	23.0	5.6	.9		51.5	2972
	18-20	100.0	99.8	98.8	95.2	86.8	70.2	38.0	9.8	.3	65.5	2970
	21-23	100.0	100.0	99.9	99.6	98.9	94.8	81.9	48.4	5.2	78.6	2970
TOTALS		100.0	99.8	98.6	95.4	87.4	74.2	56.2	34.7	7.2	71.1	23778

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

23211 HAMILTON AFB CALIF/SAN RAFAEL  
STATION STATION NAME

39-70  
PERIOD

SEP  
MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	00-02	100.0	99.7	99.1	98.3	95.8	91.3	82.1	60.0	15.7	80.0	2874
	03-05	100.0	99.8	99.4	98.8	97.1	93.2	86.9	69.3	27.6	83.2	2874
	06-08	100.0	99.8	99.1	98.0	95.5	90.0	79.4	56.1	19.5	79.6	2875
	09-11	99.9	99.0	96.2	91.7	83.5	66.9	35.7	9.6	1.1	64.0	2876
	12-14	99.9	96.3	86.9	75.6	55.2	28.2	8.0	1.3	.2	50.7	2876
	15-17	99.9	95.2	87.2	75.4	54.3	20.0	8.3	1.3	.2	50.1	2872
	18-20	100.0	99.0	95.7	91.0	83.7	70.4	44.2	14.6	.7	65.6	2874
	21-23	100.0	99.5	98.6	96.9	94.0	87.5	73.3	44.2	5.1	75.7	2871
TOTALS		100.0	98.5	95.3	90.7	82.4	69.2	52.2	32.1	8.8	68.6	22992



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JUL 64

0-87-5 (OL 1)



## RELATIVE HUMIDITY

OCT

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	00-02	100.0	99.8	98.8	97.2	92.5	87.0	77.0	57.7	25.5	79.4	2972
	03-05	100.0	99.9	98.9	97.6	94.5	89.4	81.9	66.1	32.2	82.2	2970
	06-08	100.0	99.8	98.6	97.2	93.5	87.3	79.2	61.0	30.1	80.7	2973
	09-11	99.9	98.9	94.9	88.0	78.1	64.7	44.4	21.6	6.1	63.4	2970
	12-14	99.9	97.0	87.4	74.5	60.1	40.3	19.9	7.6	1.8	34.4	2976
	15-17	100.0	97.1	83.1	75.5	60.2	39.9	19.5	7.9	1.8	34.5	2970
	18-20	100.0	99.5	96.8	90.7	82.2	69.8	52.4	24.4	4.7	67.8	2972
	21-23	100.0	99.8	98.6	95.5	90.2	81.9	68.9	46.0	13.8	75.3	2969
TOTALS		100.0	99.0	95.3	89.5	81.4	70.0	53.4	36.5	14.5	70.0	23772

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

23211 HAMILTON AFB CALIF/SAN RAFAEL  
STATION STATION NAME

39-70

PERIOD

NDV  
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NDV	00-02	100.0	100.0	99.7	98.9	96.5	92.7	84.6	68.4	36.8	83.8	2878
	03-05	100.0	100.0	99.7	98.9	97.3	94.0	87.4	73.1	45.0	85.7	2880
	06-08	100.0	100.0	99.7	98.6	96.9	93.4	87.3	73.3	44.9	85.6	2873
	09-11	100.0	99.7	98.4	94.5	87.4	77.7	62.4	40.6	17.7	73.8	2876
	12-14	100.0	99.1	95.5	87.1	76.3	59.4	40.5	21.3	6.8	64.3	2879
	15-17	100.0	99.5	96.7	89.4	77.6	62.2	42.6	20.9	7.2	65.3	2878
	18-20	100.0	99.8	99.1	96.9	91.8	82.8	68.7	42.3	14.8	75.5	2879
	21-23	100.0	99.9	99.5	98.2	95.4	89.4	79.3	59.6	26.2	80.7	2879
TOTALS		100.0	99.8	96.5	93.3	89.9	81.5	69.1	49.9	24.9	76.8	23024

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FORM  
JUL 64

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DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

23211 HAMILTON AFB CALIF/SAN RAFAEL  
STATION STATION NAME

39-70  
PERIOD

DEC  
MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	00-02	100.0	100.0	99.7	99.1	98.3	96.4	90.2	78.8	47.3	87.1	2974
	03-05	100.0	100.0	99.6	99.2	98.5	96.9	92.0	82.5	54.1	88.4	2975
	06-08	100.0	100.0	99.8	99.4	98.6	96.7	92.1	82.0	53.6	88.5	2976
	09-11	100.0	99.9	99.2	97.9	94.9	88.3	77.6	60.0	30.8	80.9	2975
	12-14	100.0	99.7	98.1	94.8	87.6	76.2	61.0	40.6	15.0	73.1	2974
	15-17	100.0	99.8	98.9	96.1	90.6	81.2	64.6	41.8	15.2	74.5	2973
	18-20	100.0	100.0	99.7	98.8	96.4	91.9	82.0	62.6	28.3	81.8	2966
	21-23	100.0	100.0	99.6	93.9	97.6	94.7	87.1	73.5	39.2	85.1	2968
TOTALS		100.0	99.9	99.4	98.0	95.3	90.3	80.8	65.2	35.5	82.4	23781

DATA PROCESSING DIVISION  
HMAC/USAF  
AIR WEATHER SERVICE (MAC)  
ASHEVILLE, NORTH CAROLINA

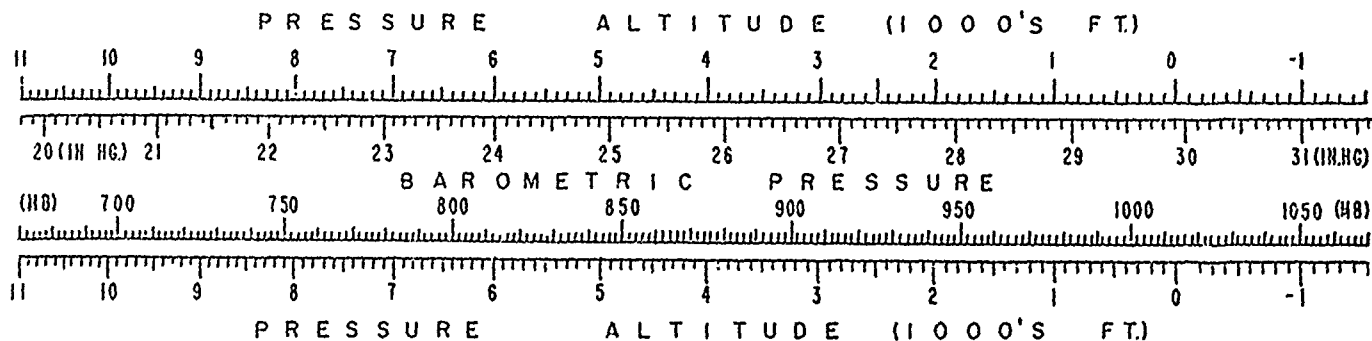
## PART F

## PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury.
2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.





DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

23211 HAMILTON AFB CALIF/SAN RAFAEL 46-63,65-70

STATION		STATION NAME												YEARS												
HRS IL ST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL												
01	MEAN	30.123	30.097	30.059	30.025	29.976	29.922	29.924	29.926	29.912	30.000	30.077	30.120	30.013												
	S D	.178	.174	.149	.121	.103	.090	.071	.071	.085	.101	.146	.168	.149												
	TOTAL OBS	712	649	709	690	713	688	713	744	720	744	720	744	8546												
04	MEAN	30.121	30.089	30.046	30.014	29.970	29.919	29.924	29.924	29.909	29.994	30.074	30.117	30.008												
	S D	.181	.177	.150	.122	.102	.090	.071	.071	.083	.102	.146	.170	.149												
	TOTAL OBS	713	649	713	690	713	690	713	744	720	744	719	744	8552												
07	MEAN	30.130	30.101	30.065	30.040	29.995	29.944	29.952	29.953	29.936	30.015	30.091	30.127	30.029												
	S D	.182	.180	.155	.126	.104	.090	.071	.071	.085	.104	.148	.173	.148												
	TOTAL OBS	713	649	713	690	713	690	712	744	720	744	720	744	8552												
10	MEAN	30.167	30.128	30.087	30.055	30.001	29.948	29.957	29.963	29.949	30.036	30.117	30.163	30.047												
	S D	.181	.180	.155	.125	.104	.090	.071	.071	.084	.106	.149	.174	.153												
	TOTAL OBS	713	649	712	690	712	690	713	744	720	744	720	743	8550												
13	MEAN	30.120	30.094	30.058	30.029	29.978	29.928	29.931	29.932	29.911	29.993	30.072	30.115	30.013												
	S D	.176	.172	.152	.122	.105	.092	.073	.073	.085	.103	.147	.169	.148												
	TOTAL OBS	713	649	713	690	713	689	713	744	719	744	720	744	8551												
16	MEAN	30.099	30.062	30.024	29.996	29.949	29.900	29.895	29.892	29.872	29.960	30.044	30.094	29.982												
	S D	.172	.168	.147	.121	.106	.094	.074	.075	.087	.103	.143	.166	.149												
	TOTAL OBS	713	649	713	690	713	688	712	743	720	744	720	744	8549												
19	MEAN	30.106	30.070	30.028	29.995	29.950	29.897	29.893	29.892	29.877	29.973	30.054	30.104	29.986												
	S D	.173	.168	.147	.119	.103	.094	.074	.075	.087	.104	.144	.165	.150												
	TOTAL OBS	712	649	712	690	713	689	713	744	720	744	720	744	8550												
22	MEAN	30.124	30.090	30.056	30.024	29.978	29.926	29.925	29.923	29.907	29.999	30.076	30.122	30.012												
	S. D.	.176	.171	.147	.119	.102	.089	.072	.072	.085	.102	.144	.166	.148												
	TOTAL OBS	713	649	713	690	713	690	713	744	720	743	719	743	8550												
ALL HOURS	MEAN	30.124	30.091	30.053	30.022	29.975	29.923	29.925	29.926	29.909	29.996	30.076	30.120	30.011												
	S D.	.178	.175	.152	.123	.105	.093	.075	.076	.089	.105	.147	.170	.150												
	TOTAL OBS	5702	5192	5698	5520	5703	5514	5702	5951	5759	5951	5758	5950	68400												

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN HGS FROM HOURLY OBSERVATIONS

23211 HAMILTON AFB CALIF/SAN RAFAEL 45-70

STATION		STATION NAME												YEARS
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
01	MEAN	1020.4	1019.6	1018.1	1017.0	1015.5	1013.5	1013.6	1013.7	1013.2	1016.1	1018.8	1020.1	1016.6
	S D	6.085	5.715	5.035	4.173	3.428	2.979	2.368	2.389	2.846	3.451	4.952	5.745	5.017
	TOTAL OBS	775	706	802	780	806	778	806	806	780	806	780	806	9431
04	MEAN	1020.4	1019.3	1017.7	1016.7	1015.3	1013.4	1013.6	1013.6	1013.1	1016.0	1018.7	1020.0	1016.5
	S D	6.164	5.851	5.078	4.211	3.403	2.979	2.369	2.379	2.814	3.463	4.978	5.818	5.032
	TOTAL OBS	774	706	806	780	806	780	805	806	780	804	780	806	9433
07	MEAN	1020.7	1019.7	1018.3	1017.5	1016.1	1014.3	1014.6	1014.6	1014.1	1016.7	1019.3	1020.4	1017.2
	S D	6.197	5.946	5.225	4.315	3.467	2.998	2.385	2.398	2.870	3.553	5.012	5.888	4.930
	TOTAL OBS	775	706	806	780	806	780	805	806	780	806	780	806	9436
10	MEAN	1022.0	1020.6	1019.0	1018.0	1016.3	1014.4	1014.8	1014.9	1014.5	1017.4	1020.2	1021.6	1017.8
	S D	6.164	5.949	5.262	4.308	3.476	3.022	2.367	2.386	2.838	3.600	5.020	5.931	5.164
	TOTAL OBS	775	706	805	780	805	780	806	806	780	806	780	805	9434
13	MEAN	1020.2	1019.5	1018.0	1017.1	1015.5	1013.7	1013.9	1013.9	1013.2	1015.9	1018.7	1020.0	1016.6
	S D	6.094	5.712	5.156	4.209	3.498	3.076	2.426	2.464	2.858	3.572	4.931	5.797	4.997
	TOTAL OBS	775	706	806	779	806	779	806	806	780	806	780	806	9435
16	MEAN	1019.6	1018.4	1016.9	1016.0	1014.6	1012.8	1012.6	1012.5	1011.9	1014.8	1017.8	1019.3	1015.6
	S D	5.917	5.545	5.002	4.156	3.518	3.144	2.478	2.526	2.928	3.504	4.816	5.672	5.019
	TOTAL OBS	775	706	806	780	806	778	806	806	780	805	779	805	9432
19	MEAN	1019.8	1018.6	1017.1	1016.0	1014.6	1012.7	1012.6	1012.5	1012.1	1015.3	1018.1	1019.6	1015.7
	S D	5.954	5.565	5.009	4.106	3.459	3.122	2.469	2.506	2.930	3.533	4.840	5.656	5.067
	TOTAL OBS	775	706	806	780	806	779	806	806	780	805	779	806	9434
22	MEAN	1020.5	1019.3	1018.0	1017.0	1015.5	1013.7	1013.7	1013.5	1013.1	1016.1	1018.8	1020.2	1016.6
	S D	6.060	5.678	5.004	4.098	3.386	2.961	2.392	2.417	2.885	3.465	4.872	5.668	4.991
	TOTAL OBS	775	706	806	779	806	780	806	806	780	804	779	805	9432
ALL HOURS	MEAN	1020.5	1019.4	1017.9	1016.9	1015.4	1013.6	1013.7	1013.7	1013.2	1016.0	1018.8	1020.2	1016.6
	S D	6.104	5.780	5.135	4.246	3.502	3.086	2.511	2.561	2.985	3.592	4.973	5.804	5.077
	TOTAL OBS	6192	3648	6443	6238	6447	6234	6446	6448	6240	6442	6227	6445	75467